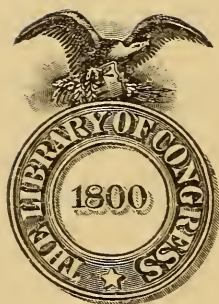


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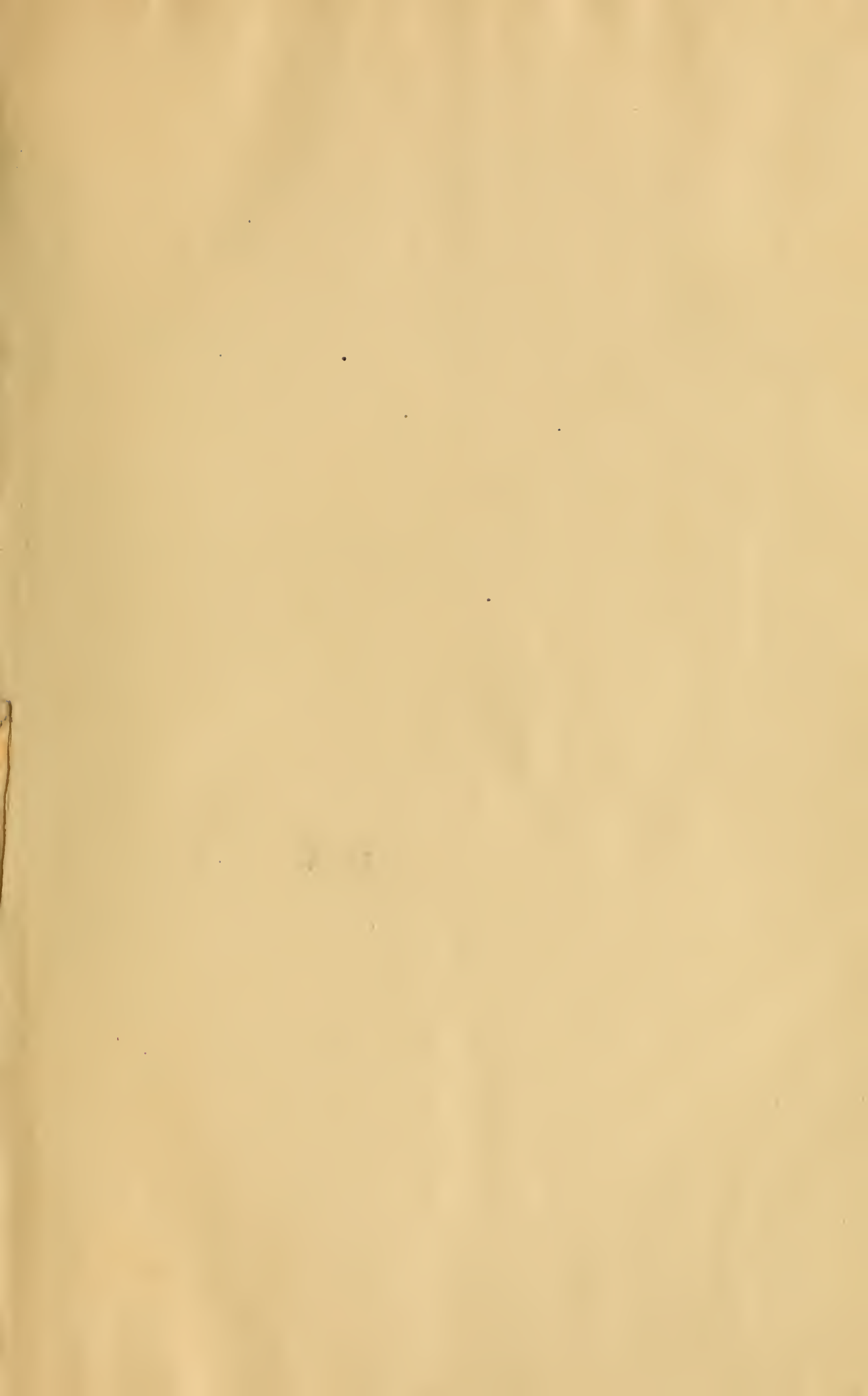
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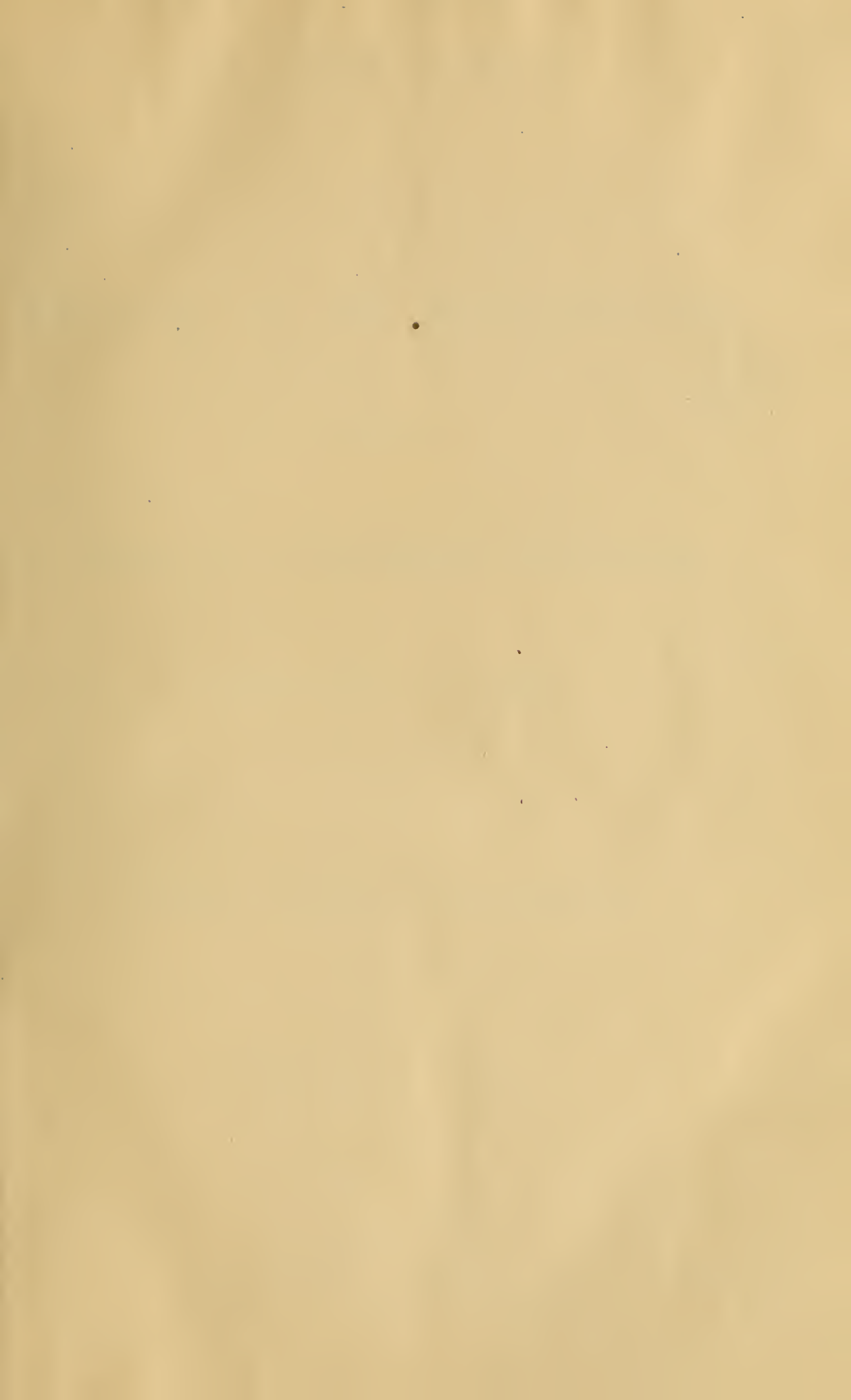


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CLASS I.

AGRICULTURE.

Implements and Machines for Working the Soil, including Sowing, Planting, Fertilizing, Digging, and Gathering Roots, &c., Grafting and Pruning.

[*For Harvesting, see CLASS XV.*]

SECTION 1.—*Tillage, &c.*

Broadcast sowers.	Hoes.
Clod crushers.	Hoes, Horse
Cotton choppers.	Land paring machines.
Cotton seeds for planting, Preparing	Layering.
Cultivators.	Levelers.
Cultivators, Frames for	Lime spreaders.
Cultivators, Teeth for	Manure broadcast sowers.
Cultivators, Wheel	Manure carts.
Cutting sod.	Manure drills.
Dibblers, Hand	Manure drills, Liquid
Dibbling machines.	Manure excavators.
Diggers, Peanut	Manure hooks.
Diggers, Potato	Manure loaders.
Digging machines.	Manure screens.
Ditching implements.	Manure spreaders.
Ditching plows.	Manuring, Green
Drag bars for drill-teeth.	Markers to seeding machines.
Draining machines.	Mattocks.
Drain tiles, Apparatus for laying	Planters, Corn
Drill teeth.	Planters, Cotton seed
Drop drills.	Planters, Hand
Fertilizing machines.	Planters, Seed
Furrowing machines.	Planters, Tobacco seed
Grain drills.	Plow beams.
Grubbing harrows.	Plow cleaners.
Grubbing hoes.	Plow clevises.
Grubbing machines.	Plow coulters.
Harrows.	Plow holders.
Harrows, Rotary	Plow landsides.
Harrows, Teeth for	Plow moldboards.
Hedge planters.	Plow points.
Hoeing machines.	Plow regulators.

Plow shares.
 Plow soles.
 Plow standards.
 Plow-wheel coulters.
 Plows, Ditching
 Plows, Double mold-board
 Plows, Double-shovel
 Plows, Expanding
 Plows for laying drain tiles.
 Plows, Gang
 Plows, Garden
 Plows, Hillside
 Plows, Marking
 Plows, Mole
 Plows, Paring
 Plows, Prairie
 Plows, Rotary
 Plows, Seeding
 Plows, Single-shovel
 Plows, Steam
 Plows, Subsoil
 Plows, Sulky
 Plows, Wheel
 Potato diggers.
 Potato hooks.
 Potato planters.
 Rollers and harrows combined.
 Rollers, Crushing

Rollers, Disk
 Rollers, Drill
 Rollers, Flanged, for restoring meadows
 Rollers, Land
 Rotary spaders.
 Scarifiers, Agricultural
 Scrapers, Cane
 Scrapers, Cotton
 Scuffle hoes.
 Scufflers.
 Seed drills.
 Seed planters.
 Seed planters and drills combined.
 Sleds for furrowing ground.
 Sod cutters.
 Sowers, Broadcast seed
 Sowers, Fertilizer
 Sowers, seed
 Spading machines.
 Steam cultivators.
 Steam plows.
 Steam spading machines.
 Stone picking machines.
 Sweet potato cultivators.
 Turf cutters.
 Turf-cutting machines.

SECTION 2.—*Miscellaneous.*

Brush pullers.
 Cornstalks, Machines for chopping
 Cotton brush, Machines for chopping
 Cotton toppers.
 Diggers, Thistle
 Edging irons.
 Forks, Digging
 Forks, Hand hay
 Forks, Manure
 Fruit frames.
 Gardeners' basket supports.
 Garden implements.
 Grafting implements.
 Grape trellises.
 Grape vine protectors.
 Grass burners.
 Hay forks, Hand
 Hay rakes, Hand
 Hop frames.
 Hot-bed frames.
 Inarching.
 Pitch-forks.
 Post-hole diggers.
 Propagating boxes.

Propagating by cuttings.
 Propagating fruit trees.
 Protectors, Shrub and plant
 Protectors, Tree
 Pruning implements.
 Rakes, Garden
 Rakes, Hand hay
 Scrapers, Tree
 Shovels of all kinds.
 Spades.
 Sprouting beds for plants.
 Spuds.
 Stalk extractors.
 Transplanting machines.
 Transplanting tools.
 Tree dwarfers.
 Tree protectors.
 Tree training.
 Trellises,
 Trellises, Grape
 Trellises, Hop
 Turnip toppers and pullers.
 Vine supports.
 Weeding implements.

CLASS II.

AGRICULTURAL PRODUCTS, PREPARATION OF.

Implements and Machines for Preparing Produce for Market, including Threshing, Winnowing, Protecting, and Preserving Crops and Produce; Fences and Gates, Cribs, Granaries, Stack-covers, and Barns; Incubation, Culture of Bees, Care of Domestic Animals, and Dairy Implements.

SECTION 1.—*Threshing, &c.*

Band-cutting machines.	Grain winnowers.
Braking machines.	Granaries.
Corn cribs. .	Grass-seed separators.
Corn-husking machines.	Hackling machines.
Corn shellers.	Hemp brakes.
Corn-husk splitters.	Hemp and flax, Rotting
Cotton gins.	Huskers, Corn
Fanning mills.	Husking gloves.
Flax brakes.	Husking pins.
Flax scutchers.	Husks for mattresses, Splitting
Grain bins.	Stackers.
Grain cleaners.	Straw carriers.
Grain conveyers and threshers.	Straw stackers.
Grain riddles.	Threshing floors.
Grain screens.	Threshing machines.
Grain separators.	Winnowers.

SECTION 2.—*Miscellaneous.*

Animals, Preparing food for	Chicken-raising apparatus.
Bee cultivation.	Churn dashers.
Bee feeders.	Churns.
Bee fumigators.	Clutches for catching animals.
Bee hives.	Cow milkers.
Bee hives, Moth traps for	Curculio traps.
Bee hives, Swarm indicators for	Curd cutters.
Butter molds.	Cutters, Feed
Butter stampers.	Cutters, Root
Butter workers.	Cutters, Straw, hay, &c.
Cane strippers.	Dairies.
Cattle feeders.	Dairy implements.
Cattle gags.	Drying fruit
Cattle pens.	Drying meat
Cattle stalls.	Egg-hatching apparatus
Cheese hoops.	Egg packers.
Cheese making.	Feather renovators.
Cheese shelves.	Feed mixers.
Cheese turners.	Feed racks.
Cheese vats.	Feed troughs.

Fence posts.
Fences.
Fences, Flood
Fences, Portable
Fences, Posts for
Fences, Wire
Fish curing and drying.
Fleece-tying machine.
Flower pots.
Flower stands.
Food for animals, Preparing
Fruit chambers.
Fruit driers.
Fruit gatherers.
Fruit separators.
Fumigators.
Gate posts.
Gates.
Hair cleaning.
Hair picking.
Hay knives.
Hay racks.
Hen's nests.
Hog elevators.
Hog pens.
Hog-ringing devices.
Hog-slaughtering apparatus.
Hog troughs.
Hop-pole extractors.
Ice plows.
Ice cutters.
Ice leveling and smoothing.
Incubators.
Insect-destroying devices.
Mangers.
Maple-sugar buckets.
Meat drying.
Meat packing.
Milk carriers.
Milk coolers.
Milk houses.

Milk shelves.
Milk strainers.
Milking stools.
Moth traps for bee hives.
Ox yokes and fixtures.
Packing houses.
Pens, Cattle
Pickets for fences.
Pisciculture, Devices used in
Pokes for cattle, &c.
Poultry feeders.
Powder blowers.
Racks, Hay
Racks, Sheep
Sap-bucket hooks.
Sap conductors.
Sap spiles.
Sap troughs.
Sheep racks.
Sheep-shearing machines.
Sheep-shearing tables.
Sheep holders.
Silkworm culture.
Singeing animals.
Skinning machines.
Slaughtering devices.
Sorghum strippers.
Stable cleaners.
Stables.
Stalls for cattle and horses.
Stock-feeders.
Stocks for refractory milch cows.
Stocks for shoeing animals.
Strainers, Milk
Straw-cutters.
Smoking meat.
Tobacco curing:
Vegetable slicers.
Vegetable washers.
Ventilating hay and grain.
Yokes for breachy animals.

CLASS III.

BUILDERS' HARDWARE.

Door Locks and Fastenings, Hinges, Bell-hanging, and the Metallic Trimmings of Houses, &c., including Furniture Hardware.

Alarm locks.	Hinges, Blind
Alarms, Burglar	Hinges, Gate
Alarms, Household fire	Hinges, Loose joint
Alarms, Till	Hinges, Self-shutting
Attaching knobs to spindles.	Hinges, Spring
Bag locks.	Hooks, Shutter
Barn door hangers.	Keepers for lock-bolts.
Barn door rollers.	Key fasteners.
Bells.	Keyhole guards.
Bell hanging.	Keyhole guides.
Bell pulls.	Keys.
Blind adjusters.	Knob fasteners.
Blind fasteners.	Knob latches.
Bolts for doors, shutters, &c.	Knobs, Door
Bolts, Chain	Knobs to spindles, Attaching
Bolts, Spring	Latches.
Burglar alarms.	Latches, Reversible
Cabin-door hooks.	Lock hasps.
Car-door latches.	Lock-bolt keepers.
Car-door locks.	Locks.
Carriage-curtain knobs.	Locks, Bag
Car-seat arm locks.	Locks, Car-door
Car-window fastenings.	Locks, Car-seat arm
Casters, Furniture	Locks, Chest
Chest locks.	Locks, Door
Coffin handles.	Locks, Drawer
Door bells.	Locks, Permutation
Door fasteners.	Locks, Piano
Door fasteners, Portable	Locks, Safe
Door holders.	Locks, Sash
Door knobs.	Locks, Seal
Door locks.	Locks, Shutter
Door plates, Attaching	Locks, Trunk
Door sheaves.	Locks, Valise
Door springs.	Locks, Window
Drawer locks.	Nails.
Furniture hooks.	Night latches.
Furniture knobs.	Padlocks.
Gate catches.	Permutation locks.
Gongs.	Piano locks.
Handcuffs.	Picture nails and screws.
Hat and coat hooks.	Pulleys, Sash
Heads for nails and screws.	Rail spikes.
Hinges.	Rollers, Barn-door

Rollers, Sliding-door
Roses for knobs.
Safe locks.
Safety guards to locks.
Sash bolts.
Sash centers.
Sash fasteners.
Sash pulleys.
Sash rollers.
Sash weights.
Screws.
Screw spikes.
Seal locks.
Shanks for knobs.
Shutter bars.
Shutter lifts.
Shutter screws.

Sliding-door rollers.
Spikes.
Spikes, Self-clinching
Spindles for knobs.
Spindles, Securing
Spring bolts.
Spring hinges.
Springs, Door
Stair-rods.
Stair-rod fastenings.
Supporters, Window
Tacks.
Trunk locks.
Trunk rollers.
Valise locks.
Weights, Sash

CLASS IV.

CALORIFICS.

Apparatus for Heating, Ventilating, and Cooking.

[For Blast and Ventilating Fans, Bellows, &c., see CLASS XVII.]

SECTION 1.—*Heating.*

Andirons.	Furnaces, Heating
Bagasse furnaces.	Furnaces, Portable heating
Bars, Fire	Furnaces for baths.
Bath heaters.	Gas stoves.
Boilers for heaters.	Grate-bars.
Boilers, Setting steam	Grates.
Chimney caps.	Heaters.
Chimneys.	Heaters, Hot water
Chimneys, Curing smoky	Heaters for railroads and street cars.
Coal and ash sifters.	Heaters, Steam
Coal, Drying	Heating irons.
Coal screens.	Heating skates, boots, &c.
Coal scuttles.	Hydro-carbon, Burners for heating
Cowls.	Ironing apparatus.
Dampers.	Kilns for charcoal.
Drying apparatus.	Kilns for drying grain, &c.
Drying barrels.	Linings for stoves.
Drying coal.	Radiators.
Drying flour, &c.	Registers.
Drying fruit.	Regulators, Draft
Drying grain.	Regulators, Heat
Drying lumber.	Sad-iron heaters.
Drying peat.	Smoke burners.
Drying wool.	Steam heaters.
Fire backs.	Steam in furnaces, Use of
Fire bars.	Stove drums.
Fire fenders.	Stove-pipe thimbles.
Fire grates.	Stove pipes.
Fire kindlers.	Stove plates.
Fire places.	Stoves.
Fire poker.	Stoves, Base-burning
Fire pots for stoves.	Stoves, Coal
Fire tongs.	Stoves, Foot
Flat-iron heaters.	Stoves, Gas heating
Flue scrapers.	Stoves, Heating
Foot warmers.	Stoves, Soap-stone
Fuel, Apparatus for burning wet	Stoves, Wood
Furnace doors.	Wool-drying.

SECTION 2.—*Ventilating.*

Dust, Excluding from railroad cars.	Ventilation of houses.
Ventilation by heated air.	Ventilation of railroad cars.
Ventilation by hot water.	Ventilation of ships, &c.
Ventilation by steam.	Ventilators.
Ventilation of halls and churches.	Ventilators for mines, &c.

SECTION 3.—*Cooking.*

Bakers, Portable	Lifters for ovens, kettles, &c.
Boilers, Domestic	Ovens for cooking and baking.
Broilers.	Petroleum burners for cooking.
Charcoal furnaces for cooking.	Ranges for cooking.
Coffee percolators.	Steam cooking apparatus.
Coffee pots.	Steam-heating tables.
Coffee roasters.	Stove utensils.
Cooking ranges.	Stoves, Camp
Cooking stoves.	Stoves, Coal-oil
Corn poppers.	Stoves, Cooking
Digesters for cooking.	Stoves, Gas
Dish heaters.	Stoves, Lamp
Egg boilers.	Tea-kettles.
Frying pans.	Tea-pots.
Furnaces for cooking, Portable	Toasters.
Griddles.	Urns for coffee, &c.
Gridirons.	Vegetable boilers.
Gas stoves.	Water backs in stoves and ranges.

CLASS V.

CARRIAGES.

The Construction of Wheeled Vehicles, including Trucks, Sleighs, &c.

[*For Railroad Cars, see CLASS XXVIII.*]

Adjustable seats.	Felloes, Attaching
Ambulances.	Felloes, Expanding
Anti-friction bearings for carriages.	Fifth wheels
Apparatus for detaching horses.	Hand barrows.
Axle arms.	Hand bearers.
Axles, Lubricators for carriage	Hand trucks.
Axletrees.	Hanging carriage bodies.
Biers.	Hearses.
Bodies of vehicles.	Hold backs.
Boot boxes of vehicles.	Hose carriages.
Bow irons for carriages.	Hubs, Carriage
Bows, Wagon	Ice, Boats for sailing on
Boxes of wheel hubs.	Ice cars.
Brakes, Wagon	Ice chairs and carriages.
Brakes, Self-acting wagon	Irons for calash tops.
Carriage couplings.	Irons for carriages.
Carriage curtain fastenings.	Irons for carriages, Setting
Carriage irons.	Linch pins.
Carriage seat fastenings.	Litters.
Carriage seats.	Loading wagons, Machinery for
Carriage seats, Shifting rails for	Lumber wagons.
Carriage step protectors.	Neck yokes.
Carriage steps.	Night carts.
Carriages.	Omnibuses.
Carriages, Dress guards for	Perches, Wagon
Carriages, Fire-engine	Poles, Wagon, &c.
Carriages, Top blocks for	Racks for Wagons, Hay
Carriage tops.	Rein holders.
Carriage trimmings.	Running gear of vehicles.
Carriage window frames.	Safety straps of vehicles.
Carts.	Sailing carriages.
Chairs, Locomotive	Seats for wagons, Spring
Children's carriages.	Securing wheels to axles.
Children's hand cars.	Self-loading carts.
Couplings, Thill	Singletrees.
Detaching horses from vehicles.	Skins of axles.
Doubletrees.	Sled brakes.
Dumping carts.	Sled runners.
Dumping wagons.	Sleds.
Equalizing bars.	Sled soles.
Extension perches.	Sleighs.
Felloe clamps.	Spoke sockets.
Felloes.	Spokes, Wheel

Springs, Carriage
Sulky seats.
Tail boards for wagons
Thill couplings.
Thills.
Thill tugs.
Tires, Securing
Tires, Tightening.
Sulkies.
Stretchers.
Tongues, Wagon
Tops, Carriage
Tops, Removable carriage
Traces.

Traces, Safety attachment of
Vehicles.
Velocipedes.
Wagon bolsters.
Wagons.
Wagons, Dumping
Wagons, Unloading attachment for
Wagon tongue supporters.
Wheelbarrows.
Wheels, Carriage
Whiffletrees.
Whip sockets.
Yokes, Neck

CLASS VI.

CHEMICAL PROCESSES.

Instruments and Methods of Evaporation, Distillation, Dyeing, Tanning, Water-proofing, Vulcanizing India Rubber, &c., and the Manufacture of Acids, Salts, Starch, Sugar, Alcohol, Vinegar, Dyes, Paints, Gas, Glue, Fats and Oils, Soaps, Manures, &c.

Acids, Apparatus for making
 Acids, Processes for making
 Aerated waters, Apparatus for making
 Air-carburetting machines.
 Air-cooling apparatus.
 Alcohol, Apparatus for making
 Alcohol, Materials for making
 Alkalies, Preparing and putting up
 Anaesthetic refrigerators.
 Aniline products, Preparing
 Animal and vegetable fiber, Separating
 Ash leaches.
 Atomizers.
 Bagasse for fuel, Preparing
 Bark, Treating tan
 Barrels from leaking, Preventing
 Barrels, Lining
 Bating hides.
 Beer coolers.
 Benzole, Deodorizing
 Black, Animal
 Black, Ivory
 Black, Lamp
 Bleaching.
 Bread, Aerating
 Bread-making, Chemical processes of
 Brewing.
 Brewing, Apparatus for
 Candles, Apparatus for making
 Candy-making machines.
 Caoutchouc, Preparation of
 Capsules, Medicinal
 Carburetting machines, Air
 Centrifugal filtering machines.
 Chemical apparatus.
 Chemicals, Preparing
 Coal, Purification of
 Condensers of stills.
 Confectionery apparatus.
 Cooling apparatus.

Corpse coolers.
 Corpse embalming.
 Corpse preservers.
 Curing meat.
 Defecators.
 Disinfecting apparatus.
 Distillation.
 Dyeing.
 Dyeing, Apparatus and processes for
 Embalming.
 Enameling processes.
 Evaporators.
 Extracts, Preparation of
 Fats, Treatment of
 Feldspar, Processes of decomposing
 Fire extinguishers, (Chemical.)
 Fish oils, Preparing
 Food, Chemical preservation of
 Freezing liquids.
 Fruits, Chemical processes of pre-
 serving
 Furnaces, Bone black
 Furnaces, Chemical
 Furnaces, Salt
 Furnaces, Sugar
 Gas, Manufacture of
 Gas, Purifying
 Glucose, Manufacture of
 Glue, Manufacture of
 Grain for distillation, Preparing
 Graphite, Preparation of
 Grease from slush, Separating
 Guano, Treating
 Gun cotton, Manufacture of
 Gunpowder, Drying
 Gunpowder, Glazing
 Gunpowder, Manufacture of
 Gunpowder, Pressing
 Hides, Dressing
 Hop backs.

Hydro-carbons, Manufacture of	Salines, Treatment of
Ice, Manufacture of	Silicates, Application of alkaline
Kaolin, Purifying	Sirup, Treatment of
Lard coolers.	Skimmers for sugar pans
Lard renderers.	Skins, Treatment of
Leather, Artificial	Soap, Manufacture of
Leather cloth.	Spirits, Manufacture of
Leather, Enameling	Starch, Manufacture of
Leather, Japanning	Stearine, Manufacture of
Leather, Manufacture of	Stone, cement, &c., Indurating
Leather, Water-proofing	Sugar filters.
Loam-luting, Revivifying	Sugar from grain, Obtaining
Lozenge-making machines.	Sugar pans.
Malting, Apparatus for	Sugar processes and apparatus.
Malt kilns.	Sugar refining.
Malt liquors, Preserving	Sulphuric acid, Recovering
Marl, Treating	Tallow, Rendering, bleaching, &c.
Matches, Chemical preparation of	Tanning.
Milk, Condensing	Tanning material and processes.
Night-soil, Treating	Timber, Preservation of
Offal, Treating	Tubing, Coating
Oil-cloth.	Tubing, Lining
Oil, Manufacture of.	Turpentine, Extracting
Oil, Refining	Vacuum pans.
Paraffine, Treatment of	Vinegar, Manufacture of
Parchment, Manufacture of	Vulcanizing.
Pigments, manufacture of	Vulcanizing apparatus and processes.
Preserving processes.	Water-proofing processes.
Retorts.	Wine, Ageing
Ribbons for hand-stamps, Preparing	Wine, Making
Rubber, Vulcanizing	Yeast.

CLASS VII.

CIVIL ENGINEERING.

The Construction of Canals, Roads, Bridges, Wharves, Docks, Sewers, Wiers, Dams, &c., and including Military Engineering, Mining, Architecture, Masonry.

[*For Blasting, &c., see CLASS XII.*]

SECTION 1.—*Engineering.*

Aqueducts.	Draw-bridges, Self-acting
Armor, Submarine	Dredging machines.
Artesian wells.	Drills, Expanding rock
Augers for boring earth.	Drill jars, Boring
Basins for sewers.	Drill-rod grabs.
Beams, Compound	Drills for rock.
Boats, Trainway for ferry	Drills from wells, Extracting
Bog cutters.	Drills, Rock
Borers, Well	Dry docks.
Boring rock, &c.	Dumping buckets.
Brackets for staging, &c.	Earth-removing machines.
Breakwaters.	Earthworks.
Bridges, Draw	Elevating scaffolds.
Bridges, Ferry	Excavators.
Bridges, Floating	Ferry-boat inclines.
Bridges, Flying	Ferry-boat platforms.
Bridges, Iron	Fire escapes.
Bridges, Stone	Fire ladders.
Bridges, Suspension	Fish-ways.
Bridges, Truss	Floating bridges.
Bridges, Tubular	Floating docks.
Cables, Laying submarine	Flood gates.
Cables, Suspension bridge	Fortifications.
Caissons for bridges, piers, &c.	Framing, Iron and timber
Canal-lock gates.	Garbage boxes in pavements.
Canals.	Garbage sinks.
Centres of bridge arches.	Gates, Flood
Chutes for water-courses.	Gates, Water
Cisterns, (Masonry, &c.)	Girders.
Coal-mining buckets.	Grading scrapers.
Coal-hole covers and guards.	Gratings for windows.
Coffer dams.	Graving docks.
Current fenders.	Gutter cleaners.
Diving apparatus.	Harbor defences.
Diving bells.	Harbors.
Diving bells, Apparatus for	Hydraulic mining.
Docks, Floating	Inclined planes for canals.
Draw-bridges.	Inlets to sewers.

Ladders.	Screw-piles and shafts.
Ladders, Extension	Sewers.
Ladders, Fire	Signal towers.
Ladders, Garden	Slips.
Ladders, Step	Sluice gates.
Launching vessels.	Snags, Removing.
Laying submarine cables.	Staging.
Lewis for lifting stone.	Staging for boats.
Light-houses.	Stench-traps for sewers.
Lock-valves, Canal	Stopping crevasses.
Locks of canals.	Street levelers.
Logs, Implements for rolling and piling	Street paving.
Marine railways and beds.	Street railroads.
Marshes, Reclaiming	Street sweepers.
Mill-dams.	Submarine armor.
Mining machines.	Submarine cables, Laying
Mud machines.	Submarine excavating.
Pavements, Iron	Submarine helmets.
Pavements, Laying	Submarine operators.
Pavements, Roughening	Tanks for storage.
Pavements, Wooden	Traps for sewers and gutters.
Piers.	Traps, Safety coal
Pile driving.	Trenches.
Piles, Machines for cutting off	Trusses for roofs and bridges.
Powder mills, Buildings for	Tubular bridges.
Privies.	Tunneling.
Quarrying.	Tunneling machines.
Quarrying machines.	Tunnels.
Quays.	Tunnels, Metallic
Raising sunken vessels.	Tunnels, Submarine
Reamers for rock drills.	Valves for draining lands, Tidal
Reservoirs for canals, &c.	Vault covers.
Rivers, Improving channels of.	Vault lights.
Rivers, Protection against inundation of	Viaducts.
Road making.	Weirs.
Road rollers.	Wharves.
Road scrapers.	Wharves, Floating
Rock drills.	

SECTION 2.—*Architecture.*

Blinds of dwellings.	Fire-proof floors.
Brackets.	Foundations.
Brackets for eave troughs.	Gutters.
Brackets for roofs.	Hods.
Building.	Jail walls.
Carpentering.	Joinery.
Cellar floors.	Lathing.
Columns of buildings.	Laths, Metallic
Concrete foundations, &c.	Masonry.
Domes.	Metallic blinds.
Door thresholds.	Operating metallic blinds.
Doors.	Operating metallic doors.
Eave troughs.	Operating metallic shutters.
Fire-proof buildings.	Portable houses.

Rooffing, Metallic
Roofs.
Roofs, Fenders for
Sash frames.
Scaffolding.
Slating.
Splicing timbers.
Stairs.
Tiling.

Walls.
Walls, Securing
Weather-boarding.
Weather-strips.
Window blinds.
Window shutters.
Windows.
Windows, Double
Zinc roofing.

CLASS VIII.

CLAY MANUFACTURES.

The Making of Bricks, Tiles, Pottery, Porcelain, and Machines, Tools, and Kilns for Manufacturing and Enameling the same, including Lime and Cement Kilns and Peat Machines.

Backs for fire stoves.
 Baking dishes.
 Beating and tritulating apparatus.
 Bricks.
 Bricks, Fire
 Brick kilns.
 Brick machines and presses.
 Brick molds.
 Brick presses.
 Burning lime.
 Buttons, Porcelain
 Candle molds, Clay
 Cement kilns.
 Cement-pipe machines.
 Chimney pots.
 China ware.
 Clay mills.
 Clay-pipe machines.
 Clay pulverizers.
 Clay-screening machines.
 Crucible making.
 Dinner plates.
 Earthenware, Manufacture of
 Enameling ovens for pottery.

Enameling pottery.
 Fire bricks.
 Fire bricks, Ovens for
 Garden pots.
 Glazing bricks, &c.
 Jars, Earthen
 Kilns, Brick and lime
 Lime furnaces.
 Lime kilns.
 Mortar machines.
 Mosaic tiles.
 Peat machines.
 Porcelain manufacture.
 Pottery manufacture.
 Pug mills.
 Sarcophagus, Clay
 Stoneware manufacture.
 Tiles.
 Tiles, Drain
 Tiles, Floor
 Tiles, Garden
 Tiles, Roofing
 Tools for molding clay.

CLASS IX.

COMPOSITIONS.

Artificial Substances formed by the Mechanical or Chemical Combination of different Ingredients.

Amalgams.	Dyes.
Antiseptics.	Earthenware, Composition for making
Asphalt compounds.	Eggs, Preserving
Barrels impervious, Composition for rendering	Embalming, Composition for
Beverages.	Emery wheels, Composition for
Bitters, Tonic	Enamels.
Blacking.	Fire-kindling, Composition for
Blasting compounds.	Fire-proofing cloth, Composition for
Boilers, Covering for	Fire-proofing wood, Composition for
Bricks, Composition for	Fluid extracts.
Bricks, Composition for fire	Fluids, Printing
Burning fluids.	Fluids, Writing
Candles, Composition for	Food of animals, Composition for
Cartridges, Composition for	Foot-rot, Composition for
Cement, Fire-proof	Forage rations.
Cement, Hydraulic	Fruit, Composition for preserving
Cement for lining lead pipes.	Fuel, Artificial
Cement, Plastic	Fulminating compounds.
Cement, Water-proof	Gas tubing, Compound for flexible
Cigars, Composition for lighting	Gelatine and its compounds.
Coating barrels, Composition for	Glass, Composition for
Coating metallic surfaces, Composition for	Grindstones, Artificial
Coffins, Composition for covering	Gums, Composition for artificial
Coffins, Composition for making	Gunpowder.
Composts.	Hair dyes.
Concretes.	Hair restoratives.
Confectionery.	Hat stiffening composition.
Converting iron into steel, Composition for	Hops, Extracts of
Cooling mixtures.	Horn, Artificial
Corks, Artificial	Hose, Composition for making
Cosmetics.	Incendiary compounds.
Crucibles.	Incrustation of boilers, Composition for preventing
Dead bodies, Composition for preserving	Incrustation of boilers, Composition for removing
Dental plates, Composition for	Ink, Indelible
Dentifrices.	Ink, Printers'
Deodorizers.	Ink-stains, Composition for removing
Detergents.	Ink, Writing
Detonating compounds.	Inking-rollers, Composition for
Dextrine.	Insects, Composition for destroying
Dolls, Composition for	Iron, Composition for hardening
	Ivory, Artificial
	Journal bearings, Composition for

Lacquers.
Lead, Compounds of
Leather, Composition for dressing
Leather, Compounds for tanning
Leather, Compounds of waste.
Letters, Composition for ornamental
Liniments.
Lining, Composition for furnace
Lubricating compounds.
Manure, Artificial
Marble, Artificial
Matches, Composition for
Meats, Composition for preserving
Medical compounds.
Medicated waters.
Medicines.
Metals, Composition for coating
Mirrors, Composition for coating
Mold-facing powders.
Nitro-glycerine.
Ointments.
Ornaments, Composition for
Packing, Composition for steam
Paints.
Paste, Composition for
Pavements, Composition for
Pencils, indelible, Composition for
Pigments.
Plasters, Adhesive
Polishing compounds.
Porcelain, Composition for coloring
Porcelain, Composition for making
Pottery, Composition for
Poultices, Composition for
Preserving animal matter, Composition for
Preserving vegetable matter, Composition for

Priming for paint.
Pyrotechnic compounds.
Razor straps, Composition for
Roofing compositions.
Rope, Composition for waterproofing
Rubber, Hard
Rubber, White
Safes, Lining for
Salves.
Sizing, Composition for
Slate, Artificial
Slate pencils, Composition for
Soap, Composition of
Stains, Composition for removing
Stereotype plates, composition for
Stone, Artificial
Stone, Composition of porous
Stove polish, Composition for
Tablets, Composition for
Teeth, artificial, Composition for
Tiles, Composition for fire
Tobacco, Flavoring
Tooth-powder.
Toys, Composition for
Tubing, Composition for elastic and other.
Varnishes.
Vermin destroying compounds.
Vulcanite and its combinations.
Washing compounds.
Water-proofing compounds.
Welding compounds.
Wicks, Chemical preparation of
Wood, Composition for coating
Wood, Composition for preserving
Wood, Composition for staining
Wool, Composition for treating
Yeast powders.

CLASS X.

FELTING AND HAT MAKING.

Methods and Apparatus for Felting Wool, &c., and the Making and Finishing of Hats, Caps, &c., including Implements and Machines for the same.

SECTION 1.—*Methods and Machines.*

Felting cloth.	Hat frames.
Felting hats.	Hat measures.
Felting yarn.	Hat shaping machines.
Flocking fabrics.	Hat shrinking machines.
Flocking hats.	Hat sizing machines.
Fulling.	Hat stiffening machines.
Fulling mills.	Hat stretching machines.
Hat blocking machines.	Hats, Dies for pressing
Hat blocks.	Hats, Embossing
Hat brushing machines.	Hats, Finishing
Hat conformators.	Hats, Perforating
Hat bodies, Forming	Hats, Planking
Hat bodies, Hardening	Hats, Pouncing
Hat bodies, Napping	Hats, Pressing
Hat ironing machines.	Hats, Raising naps of

SECTION 2.—*Articles.*

Bonnets, Felt	Hat ventilators.
Caps.	Hats.
Cloth, Felt	Hats, Cork
Felt.	Hats, Embossed
Felted fabrics.	Hats, Felt and fur
Felting, Materials for	Hats, Leather
Hat bodies.	Hats, Paper
Hat protectors.	Hats, Spring brim
Hat supporters.	Hats, Sweat leathers for

CLASS XI.

FINE ARTS.

Methods and Applications of Music, Carving, Sculpture, Painting, Graining, Engraving, Lithography, Wood-cutting, &c.; Photography, Bank-notes, &c.; Jewelry, including Instruments and Materials for the same. Designs.

SECTION 1.—*Arts.*

- | | |
|----------------------------------|---------------------------------|
| Albumenising paper. | Flowers, Preserving |
| Aquariums. | Flutes. |
| Artificial flowers. | Gilding. |
| Banjos. | Glaziers' diamonds, Setting |
| Bank notes. | Globes, Geographical |
| Bronzing machines. | Graining tools. |
| Cabinet organs. | Graining wood. |
| Cameras, Photographic | Gravers. |
| Camera stands. | Guitars. |
| Canvas stretchers. | Harmoniums. |
| Card mounts, Photographic | Harp. |
| Casts, Instruments for obtaining | Head rests, Photographic |
| Casts, Processes for obtaining | Herbariums. |
| Clarionets. | Japanning. |
| Copying figures. | Jewelry. |
| Cornets. | Knee swells for cabinet organs. |
| Cymbals. | Likenesses in monuments. |
| Dampers for violins. | Lithographic processes. |
| Decanters, Photographic | Lithography. |
| Decorative enameling. | Locketts. |
| Decorative gilding. | Marquetry. |
| Decorative painting. | Medals. |
| Drums. | Melodeons. |
| Dulcimers. | Monuments. |
| Easels. | Music. |
| Embossing. | Musical instruments. |
| Embossing machines. | Musical notation. |
| Enameling, (Plastic) | Music boxes. |
| Enameling machines. | Organ bellows. |
| Engravers' clutches. | Organ couplers. |
| Engravers' tools. | Organ key-boards. |
| Engravers' vises. | Organ pipes. |
| Engraving. | Organs. |
| Engraving machines. | Organ sound-boards. |
| Engraving processes. | Organ stops. |
| Eolians. | Organ swells. |
| Etching. | Organs, Tremolo attachment to |
| Fifes. | Organ tuning. |
| Flageolets. | Organ wind chests. |
| Flowers, Artificial | Ornamentation. |

Ornamenting surfaces.
 Painting, Decorative
 Painting on glass.
 Paper-hanging.
 Photogalvanography.
 Photographic apparatus.
 Photographic cameras.
 Photographic plate holders.
 Photographic prints, Coloring
 Photographic processes.
 Photography.
 Photo-sculpture.
 Piano-forte actions.
 Piano-forte attachments.
 Piano-forte cases.
 Piano-forte frames.
 Piano-forte keys.
 Piano-forte legs.
 Piano-forte sounding boards.
 Piano-fortes.
 Piano-fortes, Portable
 Piano-fortes, Scales for
 Piano-fortes, Stringing
 Piano-fortes, Swell attachment for
 Piano-fortes, Tuning
 Picture cases.
 Picture frames.

Picture holders, Photographic
 Postage stamps.
 Posting bills.
 Printing frames, Photographic
 Producing designs.
 Reed instruments.
 Revenue stamps.
 Setting precious stones.
 Solar cameras.
 Staining glass, wood, &c.
 Stencil plates.
 Stereoscopes.
 Stringed instruments.
 Strings for musical instruments.
 Theatrical scenery.
 Tombstones.
 Transfer, Methods of
 Trumpets.
 Tuning instruments.
 Veneering, Ornamental
 Violin bows.
 Violins.
 Violin screws.
 Violin sound-boards.
 Violoncellos.
 Vitreography.
 Wind instruments.

SECTION 2.—*Designs.*

Embracing Ornaments and Ornamental Patterns and Configuration,
 Works of Art, and Designs for Manufactured Articles.

Architectural embellishment.
 Busts.
 Carpets and oil cloths.
 Furniture.
 Labels.

Reliefs.
 Statuary.
 Stoves.
 Trade marks.
 Wall paper.

&c., &c., &c.

Whenever a "Design" is made to include a mechanical or economic function, it becomes a subject for application in its respective class in Mechanical Inventions.

CLASS XII.

FIRE-ARMS.

Implements of War, Offensive and Defensive, including Ammunition and its incidents, and Blasting.

SECTION 1.—*Arms.*

Air guns.	Hammers, Safety guard for gun
Armor, Defensive, (personal.)	Machine guns.
Automatic priming magazines.	Magazine guns.
Automatic vent stoppers.	Mortars.
Ball screws for fire-arms.	Needle guns.
Barrels to stocks, Attaching	Nipple guards for fire-arms.
Bayonet attachments.	Nipples of fire-arms.
Bayonets.	Operating broadside guns.
Breech-loading cannon.	Operating gun carriages.
Breech-loading small arms.	Operating ordnance.
Bushings for gun vents.	Ordnance.
Cane guns.	Ordnance, Attaching trunnions to
Cannons:	Ordnance, Instruments for disabling
Carriages for field artillery.	Pikes.
Cartridge loaders.	Pistols.
Cartridge retractors.	Pistol swords.
Centrifugal guns.	Preventing recoil of fire-arms.
Coupling gun-stocks to pistols.	Quoins for gun carriages.
Fire-arms.	Rammers for fire-arms.
Fire-arms, Converting muzzle into	Ramrods.
breech-loading	Repeating fire-arms.
Fire-arms, Safety guards for	Revolving breech for cannon.
Guards for locks.	Revolving fire-arms.
Guards for triggers.	Rifled ordnance.
Gun carriages.	Rifles.
Gun chassis.	Rifling, Forms and systems of
Gun hammers.	Sabre bayonets.
Gun hammers, Self-priming	Safety guards for gun hammers.
Gun locks.	Self-loading fire-arms.
Gun scrapers.	Sights of fire-arms.
Gun stocks.	Traverses of guns.
Gun wipers.	Valves for submarine ordnance.
Gun worms.	Vents of ordnance.
Hammers, Gun	

SECTION 2.—*Projectiles, &c.*

Balls for ordnance.	Cartridge filling machines.
Balls for cartridges, Attaching	Cartridge holders.
Bomb lances for killing whales.	Cartridge linings.
Bullet molds.	Cartridge pouches.
Bullets, Expanding	Cartridge priming machines.
Carcasses.	Cartridges.

Cartridge wrappers.
 Cartridges, Metallic
 Cartridges, Priming, Metallic
 Eprouvettes for testing strength of powder.
 Explosive balls for small arms.
 Fuzes, Concussion
 Fuzes, Safety
 Fuzes, Time
 Gun wads.
 Hand grenades.
 Harpoons, Gun
 Incendiary shells.
 Packing projectiles.
 Percussion-cap filling machines.
 Percussion-cap holders.
 Percussion-cap lining machines.
 Percussion-cap primers.
 Percussion-caps.
 Percussion cartridges.

Percussion shells.
 Powder flask chargers.
 Powder flasks.
 Projectiles for ordnance.
 Projectiles for small arms.
 Projectiles, Sub-calibre rifled
 Pyrotechnic devices
 Rocket harpoons.
 Rockets for war and other purposes.
 Sabots for projectiles.
 Shells.
 Shells, Incendiary
 Shot.
 Shot cartridges.
 Shot, Chain
 Shot charges.
 Shot-pouch tops.
 Spherical case shot.
 Tape primers.
 Tompions.

SECTION 3.—*Blasting, &c.*

Blasting cartridges.
 Blasting fuzes.
 Blasting plugs.
 Tape fuzes.

Torpedoes.
 Torpedoes for oil wells
 Torpedoes, Submarine

CLASS XIII.

GLASS MANUFACTURE.

Glass Furnaces; Molding, Blowing, Cutting, Grinding, and Polishing Glass, and Implements and Machines for the same.

Annealing glass.
Blowpipes, Glass-blowers'
Bottles.
Brick molds of glass.
Buttons.
Carboys.
Casting glass.
Clamping pontils.
Cruet bottles.
Cutting glass.
Cutting jewels.
Diamonds, Glaziers'
Embossing glass.
Fluxing sand for making glass.
Frosting glass.
Glass blowers.
Glass bottle holders.
Glass bottles.
Glass brick molds.
Glass buttons.
Glass coffins.
Glass-cutting instruments.
Glass furnaces.
Glass-house pots.
Glass jars.
Glass leers.
Glass molds.
Glass pots for furnaces.
Glass pressing.
Glass stoppers.

Glass tiles.
Glass tumblers.
Glaziers' diamonds.
Grinding glass.
Hollow glassware.
Jars.
Jewels, Cutting.
Ladling glass.
Lamp fountains.
Lapidarys' wheels.
Lenses, Grinding and polishing
Melting glass.
Packing glass.
Plate glass.
Plattening glass.
Polishing glass.
Pots for making glass.
Pressing glass.
Retorts for glass.
Roughing glass.
Scouring glass.
Smoke bells.
Tempering glass.
Tools for glass manufacture.
Tools for forming necks of bottles.
Tubular glass.
Vault glasses.
Watch crystals.
Window glass.

CLASS XIV.

GRINDING MILLS.

Machines for Breaking, Crushing, and Grinding Materials, including Grain-cleaning, Flour-bolting, &c.

[*For Mill-gearing, see CLASS XX.*]

Amalgamating mills.

Arrastras.

Bag fasteners.

Bag holders.

Balance rynds.

Bark mills.

Bolting meal, &c.

Bone mills.

Bran dusters.

Buhrs, Metallic

Cane mills.

Clover hullers.

Coal breakers.

Coffee mills.

Drug mills.

Grain mills.

Gunpowder mills.

Hominy machines.

Hulling machines.

Marble-crushing machines.

Millstone bridges.

Millstone dress.

Millstones, Balancing

Millstones, Elevating

Millstones, Leveling

Millstones, Supporting

Ore mills.

Ores, Crushing

Ores, Disintegrating

Ores, Grinding

Ores, Stamping

Paint mills.

Paint mullers.

Plaster mills.

Quartz mills.

Sack fasteners.

Smut machines.

Scouring machines.

Scrapers, Millstone

Sorghum mills.

Spice mills.

Spindles, Mill

Stamping mills.

Stone breakers.

Sugar-cane mills.

Sugar mills.

Ventilating millstones

CLASS XV.

HARVESTERS.

Implements and Machines for Harvesting and Securing Crops, &c.

[*For Hand Hay-rakes and Pitchforks, see CLASS II.*]

Bands for binding grain.
 Barley forks.
 Bean harvesters.
 Binders for harvesters.
 Cane harvesters.
 Clover-seed harvesters.
 Corn-cutting machines.
 Corn harvesters.
 Corn-shocking machines.
 Cotton pickers.
 Cutting apparatus for harvesters.
 Dropping platforms for harvesters.
 Dumping reels for harvesters.
 Fingers for harvesters.
 Flax Pullers.
 Forks, Horse hay
 Forks, Grain
 Gaveling attachment for harvesters.
 Grain binders.
 Grain cradle.
 Grain or gaveling forks.
 Grain rakes.
 Grain harvesters.
 Grass harvesters.
 Guard fingers for harvesters.
 Harvesters, Bean
 Harvesters, Cane
 Harvesters, Cloverseed
 Harvesters, Corn
 Harvesters, Grain
 Harvesters, Grass
 Harvesters, Hemp
 Harvesters, Binding attachments for
 Harvesters, Cutting apparatus for
 Harvesters, Dropping platforms for

Harvesters, Dumping reels for
 Harvesters, Fingers for
 Harvesters, Gaveling attachments for
 Harvesters, Guard fingers for
 Harvesters, Rakes for
 Harvesters, Reels for
 Hay caps.
 Hay forks, Horse
 Hay loaders.
 Hay rakers and cockers.
 Hay rakers and loaders.
 Hay rakes, Horse
 Hay spreaders.
 Hay tedders.
 Heading machines, grain
 Hedge trimming machines.
 Hemp harvesters.
 Lawn mowers.
 Mowing machines.
 Rakes for harvesters.
 Rakes, Grain
 Rakes, Horse hay
 Reaping hooks.
 Reaping machines.
 Reels for harvesters.
 Seats for mowers and reapers.
 Scythe fastenings.
 Scythe nibs.
 Scythes.
 Scythe snaths.
 Sickles.
 Sward cutters.
 Tedders, Hay
 Timothy headers.
 Track clearers.

CLASS XVI.

HOUSEHOLD FURNITURE.

Articles, Implements, and Machines for Domestic Purposes.

[*For Culinary Utensils, see CLASS IV.*]SECTION 1.—*Furniture, &c.*

Basin clamps.	Couches.
Bed clothes clasps.	Couches, Nursing
Beds.	Cradles.
Bedstead bottoms.	Cradles, Musical
Bedstead canopies.	Cradles, Self-rocking
Bedstead cording.	Cribs.
Bedstead fasteners.	Curled hair, Substitutes for
Bedstead keys.	Curtain fixtures.
Bedsteads.	Curtains.
Bedsteads, Invalid	Desks.
Bedsteads, Sofa	Drapery fasteners.
Bedsteads, Spring slats for	Drawers for closets.
Bedsteads, Ventilating	Dressing cases.
Bedsteads, Wardrobe	Fans, Automatic
Bookcases.	Fastenings, Upholstery
Bracket shelves.	Fenders, Furniture
Bureaus.	Fire screens.
Cabinets.	Footstools.
Camp beds.	Furniture, Feet for legs of
Camp cots.	Furniture pads.
Camp kits.	Hammocks.
Camp stools.	Hanging shelves.
Canopies, Bed	Hat-and-coat racks.
Chair bottoms.	Head-rests.
Chairs.	Looking-glasses.
Chairs and seats, Head-rests for	Mattresses.
Chairs, Barbers'	Mattresses, Machines for making
Chairs, Camp	Mess kits.
Chairs, Dentists'	Mirrors.
Chairs, Enema	Music stands.
Chairs, Folding	Musquito frames.
Chairs, Instruments for caning	Musquito nets.
Chairs, Invalid	Ottomans.
Chairs, Nursery	Packing furniture.
Chairs, Obstetrical	Palliasses.
Chairs, Pew	Piano movers.
Chairs, Surgeons'	Piano stools.
Chamber pots.	Pillows, mattresses, &c., Stuffing for
Cloak stands.	Portfolio stands.
Closets, Portable	Quilting frames.
Closets, Revolving	Racks, Hat
Clothes clamps.	Seats, School

Settees.
 Sewing boxes.
 Shelves, Folding
 Show cases.
 Soap holders.
 Sofas.
 Sponge for stuffing, Preparing
 Springs for sofas, beds, chairs, &c.
 Spring slats for furniture.
 Stands, Hat
 Stands, sewing
 Stands, Towel
 Stools.
 Stools, Camp
 Stools, Folding
 Stools, Foot

Stools, Piano
 Stuffing for mattresses, &c.
 Table covers.
 Table-leaf supporters.
 Tables.
 Tables, Card
 Tables, Extension
 Tables, Ironing
 Tables, Self-waiting
 Urinals, Portable
 Wardrobes.
 Wash-basins.
 Window blinds, Movable
 Window shades.
 Work baskets.

SECTION 2.—*Food Utensils.*

Apple parers and corers.
 Apple slicers.
 Assorting eggs.
 Barrel covers.
 Batter machines.
 Beer pitchers and cups.
 Biscuit boards.
 Biscuit cutters.
 Boxes, Pepper
 Bread and pastry boards.
 Bread cutters.
 Bread machines.
 Butter buckets.
 Butter coolers.
 Butter tongs.
 Cake cutters.
 Cake turners.
 Canteens.
 Caster bottles.
 Cheese covers.
 Cheese cutters.
 Cheese grinders.
 Cherry stoners.
 Coffee cups.
 Confectionery molds.
 Corn ball molds.
 Corn graters.
 Cracker crushers.
 Cracker machines.
 Cream stands.
 Cream strainers.
 Culinary ladles.
 Cups.
 Dippers.
 Dishes.
 Dough kneaders.

Dough machines.
 Dough raisers.
 Dough rollers.
 Dredging boxes, Flour
 Drinking cups.
 Egg beaters.
 Egg cups.
 Egg pans.
 Egg testers.
 Flour chests.
 Flour dredgers.
 Flour sifters.
 Graters for spices, &c.
 Ice boxes.
 Ice-cream freezers.
 Ice crushers.
 Ice freezers, Water
 Ice picks and breakers.
 Ice safes and chests.
 Ice shavers.
 Kitchen safes.
 Kneading machines.
 Lard squeezers.
 Lemon squeezers.
 Liquor pourers.
 Meat cutters.
 Meat grinders.
 Meat holders.
 Meat mincers.
 Meat safes.
 Meat tenderers
 Milk closets.
 Milk safes.
 Nut crackers.
 Nutmeg graters.
 Nut pickers.

Pans.
 Pea and bean shellers.
 Peach parers, corers, &c.
 Peeling almonds.
 Pepper boxes.
 Pie crimpers.
 Pie trimmers.
 Pitchers, Beer
 Pitchers, Ice
 Pitchers, Molasses
 Plates.
 Potato mashers.
 Provision safes.
 Raisin seeders.

Refrigerators.
 Rolling pins.
 Safes, Meat
 Sauce pans.
 Sausage cutters.
 Sausage stuffers.
 Scoops, Flour, &c.
 Sieves for meal, &c.
 Sifters, Flour
 Skimmers.
 Spice boxes.
 Sugar crushers.
 Vegetable washers.
 Water coolers.

SECTION 3.—*Miscellaneous.*

Awnings.
 Awnings, Detachable
 Baby-jumpers.
 Baskets.
 Bed bugs, Traps for
 Bird cages.
 Blacking boxes.
 Blacking-box holders.
 Bonnet boxes.
 Boot cleaners.
 Bootjacks.
 Boot racks.
 Bottle cleaners.
 Bottle stoppers.
 Bouquet holders.
 Boxes, Food
 Boxes for garments.
 Boxes, Fruit
 Boxes, Paper
 Boxes, Plant
 Boxes, Thread and string
 Bristle-assorting machines.
 Bristle-bunching machines.
 Bristle-cleaning machines.
 Bristle-washing machines.
 Broom handles.
 Broom hangers.
 Brooms, Corn, &c.
 Brooms, Hair
 Brushes, Bottle
 Brushes, Flesh
 Brushes, Hair
 Brushes, Handles for
 Brushes, Horse
 Brushes, Nail
 Brushes, Rotary
 Brushes, Scrubbing
 Brushes, Shoe.

Brushes, Tooth
 Brush-making machines.
 Brush racks.
 Buckets.
 Buckets, Folding
 Cans, Sealing
 Carpet cleaners.
 Carpet fasteners.
 Carpet stretchers.
 Carpet sweepers.
 Cigar racks.
 Clamps for wringers.
 Clothes frames.
 Clothes horses.
 Clothes-line reels.
 Clothes pins.
 Clothes sprinklers.
 Clothes sticks.
 Clothes tongs.
 Clothes wringers.
 Cork pullers.
 Cork screws.
 Crates.
 Crumb removers.
 Dish-cloth holders.
 Dish drainers.
 Dish holders.
 Dish stands.
 Dish washers.
 Door mats.
 Dust pans.
 Dust receptacles.
 Egg-packing boxes.
 Fly traps.
 Fruit baskets.
 Fruit boxes.
 Fruit panniers.
 Glass cleaners.

Glass holders.
Hampers.
Insect traps.
Jars, Sealing fruit
Knife cleaners.
Knife racks.
Knuckle shields for scrubbing.
Lamp-chimney cleaners.
Laundries.
Line fasteners.
Mangles.
Mats for cars, Wooden
Mop handles.
Mops.
Mop wringers.
Napkin holders.
Napkins.
Paper boxes.
Rat traps.
Reels for cords and lines.
Rubber rolls to shafts, Uniting
Sad irons.

Screens, Fire
Scrubbing machines.
Scrubbing pails.
Sealing fruit cans.
Sinks, Kitchen
Slop buckets and jars.
Smoothing irons.
Spittoon envelopes.
Spittoons.
Stands, Flower
Traps, Animal
Traps, Fly
Traps, Insect
Traps, Rat
Trays, Food and fruit
Twine holders.
Wash benches.
Washing machines.
Wash stands.
Window washers.
Wringers.

CLASS XVII.

HYDRAULICS AND PNEUMATICS.

Machines and Apparatus for Raising, Conveying, and Directing Water and other Fluids, including Bottling, and Apparatus for Controlling and Operating Air, &c.

Aërostats.	Cocks, Self-closing
Air blasts.	Cocks, Steam
Air chambers.	Cocks, Stop
Air compressing appliances.	Cocks, Try
Air cushions for pipes.	Cocks, Water
Air filters.	Current wheels.
Air pumps.	Drawing liquids.
Artesian well tubes.	Ejectors, Liquid
Balloons.	Elevators, Water
Barrel filling gauges.	Exhaust fans.
Barrel ventilators.	Fastening taps to faucets.
Barrel washing machines.	Faucet filters.
Bathing apparatus.	Faucets.
Bathing tubs.	Faucets, Basin
Baths.	Faucets, Boring
Baths, Douche	Faucets, Hot water
Baths, Medicated	Faucets, Molasses
Baths, Shower	Filters and coolers combined.
Baths, Steam	Filter faucets.
Baths, Vapor	Filters.
Beer fountains.	Filters and tubes for drinking.
Beer taps.	Filters for well tubes.
Bellows.	Filters, Globe
Bellows, Foot	Fire engines, Pumps of
Bellows, Forge	Fire extinguishers, Hydraulic
Bellows heads.	Fire plugs.
Bellows nozzles.	Fountain levers.
Blast machines.	Fountains, Beer
Blowers, Fan	Fountains, Sirup
Blowers, Piston	Fountains, Soda
Blowers, Rotary	Funnels.
Blow pipes.	Gates, Water wheel
Bottle faucets.	Gates, Water wheel, Regulators for
Bottle washing machines.	Grease cups.
Bottles, Siphon	Hose couplings.
Bottling machines and implements.	Hose clamps.
Cars, Aërial	Hose nozzles.
Cistern pumps and filters.	Hose pipes.
Cocks, Blow-off	Hydrant pipe stops.
Cocks, Feed	Hydrants.
Cocks, Gauge	Hydrants, Cocks for
Cocks, Oil	Hydrants, Filtering

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| Hydrant valves. | Pumps, Ships' |
| Hydrants, Waste for | Pumps, Submerged |
| Hydraulic buffers. | Pumps, Water |
| Hydraulic elevators. | Pumps, Wind propelled |
| Hydraulic engines. | Rams, Water |
| Hydraulic jacks. | Regulators, Blast |
| Hydraulic motors. | Steam fire engines. |
| Hydraulic presses. | Seats, Water closet |
| Hydraulic rams. | Street sprinkling carts. |
| Irrigating apparatus. | Street washers. |
| Irrigating carts. | Siphons. |
| Jacks, Hydraulic | Syringes, Fire |
| Mains for gas and water. | Syringes, Garden |
| Molasses gates. | Tide wheels. |
| Nozzles for fire engines. | Traps, Plumbers' stench |
| Nozzles for hose. | Traps, Water |
| Nozzles for oil cups. | Tube couplings. |
| Oil cups. | Tube filters. |
| Oil from running streams, Obtaining | Tubes for wells. |
| Packing for well tubes. | Turbines. |
| Pipe couplings. | Turbines, Hanging |
| Pipe protecting. | Urinals, Fixed |
| Piston packers. | Valve regulators. |
| Pump brakes. | Valve seats, Placing |
| Pump motion. | Valves for syringes. |
| Pump piston rods. | Valves, Pump |
| Pump pistons. | Valve stem arrangements. |
| Pumps. | Valves, Water closet |
| Pumps, Cattle | Valve tubes. |
| Pumps, Chain | Vases and fountains. |
| Pumps, Circular brake | Velinches. |
| Pumps, Cistern | Water closets. |
| Pumps, Double acting force | Water elevators. |
| Pumps, Feed | Water wheels. |
| Pumps, Force | Wells, Artesian |
| Pumps for hydraulic presses. | Well tubes. |
| Pumps, Lift | Well tubes, Filters for |
| Pumps, Oil | Well tubes, Packing for |
| Pumps, Oscillating | Well tubes, Strainers for |
| Pumps, Packing for | Wind wheels. |
| Pumps, Rotary | |

CLASS XVIII.

ILLUMINATION.

Implements and Devices for Obtaining, Preserving, and Regulating Artificial Illumination.

Alarms, Gas
Boxes, Match
Burners.
Calcium lights.
Candle holders.
Candlesticks.
Chandeliers.
Cigar lighters.
Clocks, Illuminating
Crèssets.
Drop lights.
Flexible tubing for gas.
Gas brackets.
Gas fitting.
Gas lighters.
Gasoliers.
Gas regulators.
Hangers for lamps.
Head lights, Locomotive
Illuminating clocks.
Illuminating signs.
Lamp chimney adjusters.
Lamp chimneys.
Lamp cones.

Lamp elevators.
Lamp posts.
Lamp shade holders.
Lamp shades.
Lamp stands.
Lamp wick adjusters.
Lamp wick extinguishers.
Lamp wick trimmers.
Lamp wicks.
Lamps.
Lamps, Miners'
Lamps, Vapor
Lanterns.
Lighting devices.
Magnesium lights.
Match boxes.
Match safes.
Mica lamp chimneys.
Oxy-hydrogen lights.
Reflectors.
Safes, Match
Signs, Illuminating
Snuffers.
Vapor lamps.

CLASS XIX.

LEATHER MANUFACTURES.

Machines and Tools for Working in Leather, and the Manufacture of Boots and Shoes, Harness, Trunks, Belting, &c., including Preparatory Processes, Cutting, Splitting, &c.

SECTION 1.—*Machines.*

Leather-boarding machines.
 Leather-chamfering machines.
 Leather-corrugating machines.
 Leather-creasing machines.
 Leather-cutting machines.
 Leather-dressing machines.
 Leather-embossing machines.
 Leather-glueing machines.
 Leather-hammering machines.
 Leathering tacks.
 Leather-piercing machines.
 Leather-pressing machines.
 Leather-punching machines.

Leather-quilting machines.
 Leather rings, Tools for cutting
 Leather-rounding machines.
 Leather-scalloping machines.
 Leather-skiving machines.
 Leather-sorting machines.
 Leather-splitting machines.
 Leather straps.
 Leather-stretching machines.
 Leather-stripping machines.
 Leather tubs, Machines for making
 Leather washers, Tools for cutting
 Leather whips, Machines for making

SECTION 2.—*Boots and Shoes.*

Anklelets.
 Awls.
 Boot channeling machines.
 Boot clamps.
 Boot crimps.
 Boot-grooving machines.
 Boot hooks.
 Boot linings.
 Boot patterns.
 Boots and shoes.
 Boot-seam rubbers.
 Boots, Metallic braces for
 Boots, Metallic shanks for
 Boots, Metallic soles for
 Boot soles.
 Boot stretchers.
 Boots, Wooden soles for
 Boot trees.
 Boot uppers.
 Boot ventilators.
 Calks for boots.
 Cutting boards for leather.
 Edge planes for soles.
 Floats, Boot
 Gaiters, Leather
 Gullet hooks.

Heel irons.
 Heel polishing machines.
 Heel protectors.
 Heel shaves.
 Heel stiffeners.
 Heel-trimming machines.
 Heels, Machines for cutting
 Heels, Machines for dressing
 Ice sandals.
 Insoles.
 Jacks, Pegging
 Lacing, Machines for making leather
 shoe
 Lap shavers.
 Last holders.
 Lasting machines.
 Lasts.
 Lasts, Toe pieces for
 Moccasins.
 Overshoes.
 Peg cutters.
 Pegging jacks.
 Pegging machines, Head blocks for
 Pegging soles.
 Pegs, Machines for arranging
 Pegs, Machines for driving

Pegs, Shoe
 Pincers, Shoemakers'
 Pincers, Lasting
 Sandals.
 Shank cutters.
 Shank lasters.
 Shanks, Boot
 Shoe binding.
 Shoe clasps.
 Shoe distenders.
 Shoe fasteners.
 Shoe hammers.
 Shoe holders.
 Shoe hooks.
 Shoe lacing.

Shoe-lacing hooks.
 Shoemakers' benches.
 Shoe patterns.
 Shoes.
 Shoe straps.
 Slippers.
 Tags, Machines for cutting shoe
 Tips, Shoe
 Uppers, Machines for cutting
 Ventilators for boots.
 Waxed ends, Machines for twisting
 Waxing thread, Machines for
 Welts.
 Welts, Machines for forming.
 Welts, Machines for trimming

SECTION 3.—*Harness.*

Bells, Sleigh
 Bits, Bridle
 Bitting rigging.
 Blind bridles.
 Blinds for horses.
 Boots for horses.
 Breaking horses, Apparatus for
 Breast straps and slides.
 Breech straps.
 Bridles.
 Bridle blinkers.
 Buckles of all kinds.
 Cards for currying.
 Cattle leaders.
 Cattle ties.
 Check hooks.
 Clamps for sewing harness.
 Clamps, Stitching
 Collar blocks.
 Collars, Horse
 Collars, Machines for stuffing
 Collar straps, Horse
 Crupper loops.
 Cruppers.
 Curry cards.
 Curry combs.
 Dog muzzles.
 Fetters for animals.
 Fetters.
 Fly-nets.
 Fly-nets, Machines for making leather
 Gag runners.
 Gig trees.
 Halters.
 Hame fasteners.
 Hames.
 Harness for horses, Detaching

Harness hooks.
 Harness-makers' tools.
 Harness mountings.
 Harness pads.
 Harness reins, Machine for rounding
 Harness wardrobes.
 Hitching devices.
 Hitching posts.
 Hooks, Snap
 Hooks, Mousing
 Hopples.
 Horse blankets.
 Horse protectors.
 Horse washers.
 Horse yokes.
 Interfering, Devices to prevent
 Lassoos.
 Martingales.
 Mousing hooks.
 Muzzles for horses.
 Nicking horses, Apparatus for
 Open links.
 Pack saddles.
 Pads.
 Pad trees.
 Reins, Safety
 Reins, Slides for
 Rounding machines, Rein
 Shackles.
 Saddle blankets.
 Saddle cloths.
 Saddle girths.
 Saddles.
 Saddles, Pack
 Saddles, Pad
 Saddle trees.
 Saddle trees, Side

Shaft tugs.
 Sleigh bells.
 Snap hooks of all kinds.
 Snap links.
 Split rings.
 Spurs.
 Stirrups.
 Stirrups, Safety
 Stitching horses.

Stuffing collars.
 Surcingles.
 Tethers.
 Throwing horses, Apparatus for
 Trace couplings.
 Whip handles, Machines for covering
 Whip racks.
 Whips.
 Whip stocks.

SECTION 4.—*Miscellaneous.*

Bags, Mail
 Bags, Saddle
 Bags, Traveling
 Bayonet frogs.
 Bayonet scabbards.
 Belt clasps, Machine
 Belt coupling machines.
 Belt fasteners.
 Belting, Compound
 Belting, Rubber, &c.
 Belt lacing, Machine for cutting
 Belt splicing.
 Belt tightening machines.
 Boxes, Cartridge
 Boxes, Hat
 Braces for trunks.
 Cutting machines, Belt
 Hat boxes, Leather

Haversacks.
 Holsters.
 Hose, Leather
 Ice creepers.
 Knapsacks.
 Knapsack slings.
 Mail bag fasteners.
 Mail bags.
 Muzzles for animals.
 Nose bags.
 Rubber hose.
 Slinging accoutrements.
 Trunk handles.
 Trunk-lid protectors.
 Trunk stays.
 Trunks.
 Valises.

CLASS XX.

MECHANICAL ENGINEERING.

General Mechanical Movements, Horse-powers, Lifting Jacks, Hoisting Apparatus, Mill-gearing, &c.

[*For Presses, see CLASS XXVI.*]

Apparatus for changing speed.
 Apparatus for reversing motion.
 Bearings for machinery.
 Belt shifters.
 Boxes for shafting, Stuffing
 Boxes, Journal
 Boxes, Lining journal
 Boxes, Lubricating journal
 Brakes for horse-power.
 Brakes for machinery, Self-acting
 Buildings, Moving
 Bush extractors.
 Cams, Variable
 Capstans,
 Capstans for mole plows, &c.
 Capstans, Ships'
 Car jacks.
 Carriage jacks.
 Churn powers.
 Claw bars.
 Clutches, Friction
 Clutches, Rope
 Cog gearing
 Cranes.
 Cranes, Nautical
 Crank connections.
 Cranks, Substitutes for
 Cranks, Overcoming dead point of
 Crow-bars.
 Derricks.
 Derricks, Floating
 Differential levers.
 Dog powers.
 Dumb waiters.
 Eccentrics.
 Elevators for bricks.
 Elevators for grain.
 Elevators for mortar.
 Fly wheels.
 Friction clutches.
 Friction couplings.
 Grain elevators.

Hangers for shafting.
 Harvester gearing.
 Harvester pitmans.
 Hod elevators.
 Hoisting apparatus.
 Horse powers.
 Horse powers, Endless chains for
 Horse powers, Links for
 Horse powers, Treads for
 Intermittent gearing.
 Jacks.
 Jacks for railroad cars, Swing
 Jacks, Screw
 Jacks, Wagon
 Journal boxes.
 Journals and bearings.
 Lever powers.
 Levers, Differential
 Lifting apparatus.
 Lifting jacks.
 Lifting screws.
 Lubricators, Mechanical
 Mechanical movements.
 Mill gearing.
 Motion, Converting
 Motion, Multiplying
 Motion, Transmitting
 Motors.
 Pawls and ratchets.
 Pendulum powers.
 Planing machines, Gearing for
 Pitmans.
 Post pullers.
 Pulleys, Belt
 Rope clutches.
 Sawing machines, Gearing for
 Shaft couplings.
 Shaft hangers.
 Shafting.
 Ships' capstans.
 Speeders for capstans.
 Starting engines off their centers.

Stump extractors.
Tide powers.
Traction engines.
Traction wheels.
Treadle machines.
Treadles.

Universal joints.
Wheels, Fly
Winches.
Windlasses.
Windlasses for oyster dredges.

CLASS XXI.

METALLURGY.

The Preparation and Treatment of Ores, Reduction and Purification of Metals, and Processes for Amalgamating, Electroplating, and Metallic Coating.

Alloys.
 Amalgamating processes.
 Apparatus for the reduction of ores.
 Apparatus for treating zinc ores.
 Assaying.
 Case-hardening iron.
 Coating metallic surfaces.
 Coating metals with metals.
 Coloring metals.
 Converting iron into steel.
 Decarbonizing cast-iron.
 Desulphurizing coal.
 Desulphurizing ores.
 Disintegrating quartz, Processes for
 Electrotyping.
 Furnaces, Boiling
 Furnaces, Catalan
 Furnaces, Copper
 Furnaces, Cupola
 Furnaces, Hot blast
 Furnaces, Iron
 Furnaces, Lead
 Furnaces, Puddling
 Furnaces, Zinc
 Galvanizing metals.
 Glass, Gilding
 Glass, Platinizing
 Glass, Silvering
 Gold and silver ore, Chemical treatment of
 Manufacture of aluminium.
 Manufacture of cobalt.

Manufacture of copper.
 Manufacture of iron.
 Manufacture of lead.
 Manufacture of magnesium.
 Manufacture of nickle.
 Manufacture of potassium.
 Manufacture of sodium.
 Manufacture of steel.
 Manufacture of tin.
 Manufacture of zinc.
 Ores, Amalgamating
 Ores, Calcining
 Ores, Concentrating
 Ores, Desulphurizing
 Ores, Oxidizing
 Ores, Roasting
 Ores, Separating
 Ores, Smelting
 Ores, Washing
 Plating metals.
 Preparing ores, Chemically
 Protection of one metal by another.
 Reducing sulphates and oxides of metals.
 Reduction of metals from their ores.
 Retorts and vessels for galvanizing iron.
 Roasting ores.
 Sheet-iron, Chemical processes for manufacturing
 White lead, Manufacture of
 Zinc white, Manufacture of

CLASS XXII.

METAL WORKING.

Methods, Machines, and Tools for Shaping Metals; Construction of Machines and Articles of Metal; Manufactured Articles of Metal.

SECTION 1.—*Machines and Methods of primary application.*

SUB-SECTION A.

Bending.
Boring.
Corrugating.
Cutting.
Drawing.
Drilling.
Forging.
Planing.
Pressing.
Punching.

Rolling.
Shearing.
Slotting.
Squeezing.
Stamping.
Staving.
Straightening.
Swaging.
Turning.
Welding.

SUB-SECTION B.

Aluminium, Molds for casting
Augers, Casting
Bath tubs, Mold for casting
Bells, Casting
Blackwashing molds, Apparatus for
Bolts, Casting
Casting augers.
Casting axles.
Casting bath tubs.
Casting bells.
Casting bolts.
Casting bullets.
Casting car wheels.
Casting chilled rollers.
Casting chills for car wheels.
Casting copper cylinders.
Casting currycombs.
Casting cutter-heads for molding machines.
Casting door sheaves.
Casting grate bars.
Casting groove rollers.
Casting handles for sad irons.
Casting handles for tea and coffee pots.
Casting harness-saddle seats.
Casting heddle eyes.
Casting hinges.
Casting hollow ware.
Casting horse shoes.

Casting letters on cylinders.
Casting lifting handles.
Casting metal on metal.
Casting metal pullies.
Casting molasses gates.
Casting ordnance.
Casting panels for doors.
Casting pencil sharpeners.
Casting plow irons.
Casting railroad bars.
Casting refractory metals.
Casting sad irons.
Casting seamless nuts.
Casting seamless screws.
Casting shoes for sleighs.
Casting skates.
Casting skeins for wheel vehicles.
Casting sleigh bells.
Casting solder drops.
Casting spikes.
Casting spoons.
Casting spout for tea and coffee pots.
Casting steam-whistles.
Casting steel ingots.
Casting stove lids.
Casting sugar kettles.
Casting tackle blocks.
Casting teeth of mowing machines.
Casting thill holders.

Casting tuyeres.
 Casting water-traps.
 Casting water-wheels.
 Casting weights.
 Casting window sash.
 Centering plates.
 Chills for casting.
 Clamps for molds.
 Cleaning and dressing castings.
 Core boxes.
 Cores, Carriages for
 Cores for casting steel ingots.
 Cores, Making
 Cores, Ventilating
 Crucibles for melting steel, &c.
 Flasks, Clamps for
 Flasks, Fastenings for
 Flasks, Molders'
 Furnace-grate bars, Casting
 Handles for sad irods, Casting
 Hinges, Casting
 Hollow ware, Casting
 Horse shoes, Casting
 Ladles, Pouring
 Match plates.
 Molders' flasks.
 Molders' pattern lifters.
 Molders' sprue patterns.
 Molders' tables.
 Molding pipe, Machines for

Molds for casting.
 Ordnance, Casting
 Railroad bars, Casting
 Railroad wheels, Casting
 Railroad wheels, Chills for
 Saddle seats, Casting
 Sad-iron handles, Casting
 Sad irons, Casting
 Shells, Casting
 Shoes for horses, Casting
 Shoes for sleighs, Casting
 Shot, Casting iron
 Shot, Making lead
 Skates, Casting
 Skeins for wheel vehicles, Casting
 Solder drops, Casting
 Spikes, Casting
 Spouts for tea and coffee pots, Casting
 Steam-whistles, Casting
 Steel ingots, Casting
 Stove lids, Casting
 Sugar kettles, Casting
 Tables for molders.
 Tackle blocks, Casting
 Teeth for mowing machines, Casting
 Tuyeres, Casting
 Ventilating cores.
 Water-traps, Molding
 Weights, Casting
 Window sash, Casting

SECTION 2.—*Machines, Apparatus, and Tools for particular uses.*

SUB-SECTION A.

Angle iron, Bending
 Angle iron, Rolling
 Anvils.
 Armor plates, Bending
 Armor plates, Drilling
 Armor plates, Planing
 Bending angle iron.
 Bending car irons.
 Bending corrugated plates.
 Bending cranks.
 Bending mold boards.
 Bending tires.
 Bolt cutters.
 Boring cannons.
 Boring cylinders.
 Boring gun barrels.
 Burr cutters.
 Cannons, Boring
 Cannons, Forging
 Cannons, Turning
 Centering tools for lathes.

Coiling pipe.
 Coiling wire.
 Countersink tools.
 Cutter stocks for metal planers.
 Cutting tenons on metal.
 Cylinders, Boring
 Cylinders, Fluting
 Dies.
 Dies for cutting screws.
 Die stocks.
 Draw plates for tubes.
 Draw plates for wire.
 Drilling jigs.
 Drilling metals.
 Drills, Gauges for
 Drills, Ratchet
 Drills, Twist
 Drills, Watchmakers'
 Elevators for blooms.
 Embossing metals.
 Engine lathes.

Engines, Rose
 Expanding mandrels.
 Expanding reamers.
 Expanding tubes for boilers.
 Files.
 Fire tongs.
 Fluting cylinders.
 Forges, Blacksmiths'
 Forges, Tuyeres for
 Forging crank shafts.
 Forging shafting.
 Gear cutting.
 Gold beating.
 Gun barrels, Boring
 Gun barrels, Rifling
 Gun barrels, Rolling
 Gun barrels, Straightening
 Gun barrels, Turning
 Hammers, Blacksmiths' machine
 Hammers, Drop
 Hammers, Pneumatic
 Hammers, Revolving
 Hammers, Steam
 Hammers, Trip
 Hoops, Metallic
 Key seats, Cutting
 Lathe chucks.
 Lathe dogs.
 Lathe rests.
 Lathes.
 Lathes for turning irregular forms.
 Lathes for turning pulleys.
 Lathes for turning screw taps.
 Lathes for turning shells.
 Lathes, Watchmakers'
 Lining cylinders with metal.
 Lining lead pipe with tin.
 Lining tubes with metal.
 Metallic hoops, Rolling
 Milling, Machines for
 Moldboards, Bending wrought
 Nail plate feeders.
 Pipe cutters.
 Planers, Metal
 Pointing rods.
 Pointing wires.

Pulleys, Turning
 Punching apparatus.
 Rasps.
 Ratchet drills.
 Reamers for metal.
 Revolving forge hammers.
 Rifling guns and cannons.
 Rimbases of cannons, Turning
 Riveting, Machines for
 Screws, Capping
 Screw taps.
 Shearing metal.
 Squeezers.
 Stencil cutting.
 Straightening bars of metal.
 Straightening rails.
 Straightening wire.
 Tapping water pipes.
 Tires, Bending
 Tires, Upsetting
 Tool-holders for lathes and planers.
 Tool-rests for lathes.
 Tools, Blacksmiths'
 Tools, Forgers'
 Tools for lathes and planers.
 Tools, Machinists'
 Tube sheets, Bending
 Tube sheets, Cutting
 Tubes, Coiling
 Tubes, Cutting
 Tubes, Drawing
 Tubes, Expanding
 Tubes, Rolling
 Turning crank pins.
 Turning crank shafts.
 Turning lathes.
 Turning shell and shot.
 Turning, Tools for
 Tuyeres.
 Twist drills.
 Type cutting machines.
 Upsetting machines.
 Vises.
 Wire drawing.
 Wire rolling.
 Wire straightening.

SUB-SECTION B.

Annealing.
 Annealing furnaces.
 Buffing and polishing machines.
 Burnishing machines.
 Burnishing plated ware, Machines for
 Card grinding,

Clamps for filing saws.
 Cleaning emery wheels, Machines for
 Clinching horse-shoe nails.
 Covering skirt wire with wire.
 Crimping wire cloth.
 Cutting glaziers' points, Machines for

Dies for forming sheet metal ware.
 Dies for stamping spoons.
 Emery wheels.
 Facing wooden moldings with sheet metal.
 Folding sheet metal.
 Forging cutlery.
 Forks, Machines for making
 Forming and cutting skirt springs.
 Forming and cutting wire.
 Forming sheet-metal eave troughs, Machine for
 Furnaces, Annealing
 Grinding beds of planes.
 Grinding calks of horse shoes, Machines for
 Grinding cards.
 Grinding card teeth.
 Grinding circular saws.
 Grinding concave surfaces.
 Grinding cutlery.
 Grinding cutters of harvesters.
 Grinding cylinder saws.
 Grinding file blanks.
 Grinding hinges.
 Grinding metallic plates.
 Grinding nail-machine cutters.
 Grinding plow castings.
 Grinding runners of skates.
 Grinding scythes.
 Grinding shot and shell.
 Grinding, Tool-holders for
 Grindstones.
 Grooving machines for sheet metal.
 Hanging grindstones.
 Hones.
 Lathe way-smoother.
 Metal boxes, Making
 Oil stones.

Polishing metals.
 Razor straps.
 Rolling knife blades.
 Rolling spoons.
 Roof-seaming, Machines for
 Saw-gumming machines.
 Saw-setting machines.
 Saw teeth, Truing the faces of
 Scythe rifles.
 Scythe stones.
 Seaming machines.
 Shaping and folding cans while being soldered.
 Sharpening faces of cotton-gin saws.
 Sharpening plane irons.
 Sheet-metal plates, Uniting
 Soldering furnaces.
 Soldering irons.
 Spinning sheet-metal ware.
 Spoons, Dies for stamping
 Spoons, Making
 Spoons, Rolls for forming
 Spouting, Sheet metal
 Stamps for forming sheet-metal ware.
 Swages for saw teeth.
 Tempering iron and steel.
 Tin cans, Making
 Tool-holders, Grinding
 Twisting wire, Machines for
 Whetstones.
 Whetting plane bits.
 Wire cloth crimping, Machines for
 Wire dish covers, Making
 Wire dish stands, Making
 Wire fence, Ornamental
 Wire heddles for weavers' harness, Machines for making
 Wire twisting, Machines for
 Wiring sheet-metal ware.

SECTION 3.—*Methods and Machines for the Manufacture of special Articles, and Manufactured Articles.*

SUB-SECTION A.

Adzes, Making
 Anvils, Making
 Augers, Making
 Axes, Making
 Axle clips, Making
 Axles, Making
 Balance wheels, Making
 Bayonets, Making
 Beaded wire, Making
 Beams, Making
 Bellows nozzles, Making
 Bells, Making wrought metal

Boilers, Making
 Bolts, Heading
 Bolts, Making
 Bolts, Threading
 Boring bits, Making
 Braces for carriage tops, Making
 Buckles, Making
 Calipers, Making
 Caps, Making percussion
 Caps, Trimming percussion
 Car couplings, Making
 Carpenters' squares, Making

Carpet bags, Making	Lead pipe, Making
Carriage axles, Making	Locket cases, Making
Carriage-spring heads, Making	Mattocks, Making
Carriage springs, Making steel	Miners' picks, Making
Carriage thill shackles, Making	Nails, Making
Car-truck irons, Making	Needles, Machines for papering
Car wheels, Making wrought	Needles, Making
Cartridge shells, Making	Nozzles, Making
Chains, Making	Nut blanks, Making
Chairs, Making railroad wrought	Nuts, Making
Chisels, Making	Ordnance, Making
Clasps, Making	Pens, Making metallic
Clasps and slides for skirts, Making	Pickaxes, Making
Clevises, Making	Picks, Making
Clinch rings, Making	Pins, Machines for papering
Clips for singletrees, Making	Pins, Making
Clock pillars, Making	Plane irons, Making
Coopers' rivets, Making	Plow plates, wrought, Making
Coopers' tools, Making	Plumbers' hook blanks, Making
Coupling pins, Making	Punches, Making
Crotchet needles, Making	Railroad chairs, Making wrought
Edge tools, Making	Railroad rails, Making wrought
Eyelets, Making	Rake teeth, Making
Fagots, Making	Rasps, Making
Fagots for beams, Making	Rims for spectacles, Making
Fagots for guns and ordnance, Making	Rivets, Making
Fagots for railroad rails, Making	Saws, Making
Faucets, metallic, Making	Screw blanks, Making
Ferrules, Making	Screw-drivers, Making
File blanks, Making	Screws, Making
Files, Making	Scythes, Making
Fish bars for railroads, Making	Sewing-machine needles, Making
Fish hooks, Making	Sheathing nails, Making
Flyer guides, Making blanks for	Sheet iron, Making
Forks, Making hay and other	Sheet lead, Making
Gas-fitters' hooks, Making	Shoe nails, Making
Gas fittings, Making	Shovels, Making
Gimlets, Making	Sickles, Making
Girders, Making	Spades, Making
Gouges, Making	Spikes, Making
Gun hammers, Making	Split rings, Making
Hammers, Making	Springs, Making metallic
Harvester cutter bars, Making	Staples, Making
Harvester guard fingers, Making	Steel-pen holders, Making
Harvester teeth, Making	Steel pens, Making
Hinges, Making	Tacks, Making
Hoes, Making	Tin foil, Making
Hooks, Making	Tin lined lead pipe.
Hooks and eyes, Making	Tires, Making
Hooks and eyes to cards, Attaching	Tires for locomotives, Making
Horse-shoe blanks, Making	Tools, Making edge
Horse-shoe nails, Making	Trowels, Making
Horse shoes, Making	Tube sheets for boilers, Making
Knitting burrs, Making	Tubes, Making
Knitting needles, Making	Umbrella ribs and spokes, Making
Lead pipe lining.	Vises, Making

Wagon bands, Making
 Washers, Making
 Watch backs and rims, Making
 Watch chains, Making
 Watch hands and keys, Making

Wheels, Making wrought
 Wheel tires, Making
 Wheel tires for locomotives, Making
 Window sash, Making wrought
 Wrenches, Making

SUB-SECTION B.

Bail cases.
 Belt punches.
 Billhooks.
 Bistouries.
 Bolts, Screw
 Britannia tea and coffee pots.
 Butteris, Blacksmiths'
 Candle snuffers.
 Can openers.
 Cans, Caustic alkali
 Cans, Fruit
 Cans, Gunpowder
 Cans, Milk
 Cans, Oil
 Cans, Oyster
 Cans, Paint
 Cans, Preserve
 Cans, Sheet metal
 Conductors' punches.
 Elastic pads for horse shoes.
 Eyelet punches.
 Foot rests for horses.
 Forks, Culinary
 Forks, Flesh
 Forks, Table
 Fruit knives.
 Handles for tea and coffee pots.
 Hoof-spreaders.
 Horse shoes.
 Horse shoes, Adjustable
 Horse shoes, Adjustable calks for
 Horse shoes, Protecting shields or
 plates for
 Horse shoes, Snow pads for
 Ice pitchers.
 Knives.
 Knives, Amputating
 Knives, Attaching handles to
 Knives, Bread
 Knives, Budding
 Knives, Butcher
 Knives, Cane
 Knives, Carving
 Knives, Corn
 Knives, Curriers'
 Knives, Cutting corn from the cob
 Knives, Dirk
 Knives and forks combined.
 Knives, Fruit

Knives, Grafting
 Knives, Handles for
 Knives, Machete
 Knives, Meat
 Knives, Oyster
 Knives, paring, Hoof
 Knives, Pocket
 Knives, Pruning
 Knives, Shoe
 Knives and spoons combined.
 Lamp-wick scissors.
 Lancets.
 Leather punches.
 Ox shoes.
 Picks.
 Pinking punches.
 Pliers.
 Pruning knives.
 Pruning shears.
 Punches.
 Punches, Belt
 Punches, Button-hole
 Punches, Conductors'
 Punches, Eyelet
 Punches, Leather
 Punches, Paper
 Punches, Pinking
 Punches, Sheet metal
 Punches, Spring
 Punches, Wad
 Razors.
 Rivets.
 Sabers.
 Safes.
 Safes, Burglar proof
 Safes, Fire-proof
 Safes, Floating
 Safes, Marine
 Safes, Portable
 Safes, Steam fire-proof
 Safes, Water-proof
 Sand screens.
 Scalpels.
 Scissors.
 Screw bolts.
 Screw nuts.
 Sharpeners, Knife
 Sharpeners, Reaper knife
 Sharpeners, Scissors

Sharpeners, Skate
Sharpeners, Steel for knife
Shears, Button-hole
Shears, Cattle-marking
Shears, Edging
Shears, Garden
Shears, Grass-edging
Shears, Hair-clipping
Shears, Hedging
Shears, Lopping
Shears, Pruning
Shears, Sheep
Shears, Sheet metal
Shears, Tailors'
Shears, Tinman's
Sheet metal barrels.
Sheet metal boilers.
Sheet metal cans.
Sheet metal casks.
Sheet metal coal hods.

Sheet metal funnels.
Sheet metal hoops.
Sheet metal jug tops.
Sheet metal tanks.
Spoon blanks.
Spoons.
Spoons, Julep
Spoons, Mustache
Spring punches.
Springs not specially applied.
Steels, Sharpening
Swords.
Wad punches.
Washers.
Wire work for ornamental fences.
Wrenches.
Wrenches, Bed
Wrenches, Monkey
Wrenches, Pipe
Wrenches, Ratchet

CLASS XXIII.

NAVIGATION.

The Construction of Vessels, Sails, Rigging, Propelling, and Steering Apparatus, Life-boats, Preservers, Rafts, &c.

Air ports.	Cables for vessels.
Alarms, Fog	Cable grippers.
Alarms, Leak	Cable hooks.
Alarms, Nautical	Cable nippers.
Alarms, Shoal	Cable shackles.
Anchor balls.	Cable stoppers.
Anchors.	Cables, Links for
Anchors, Drift	Cables, Securing
Anchor shackles.	Calking.
Anchor trippers.	Camels.
Architecture, Naval	Canal boats.
Armor plating, Marine	Cargo ports.
Attaching yards to masts.	Center boards.
Ballasting.	Clasps, Rigging
Batteries, Floating	Cleats.
Batteries, Submarine	Construction of vessels.
Bending sails.	Cringles.
Beacons, Sonorific	Davits.
Berths, Floating	Deadeyes.
Berths, Ships'	Dead lights.
Bilge boards.	Deck irons.
Bilgewater, Discharging	Decks.
Binnacles.	Decks, Fire-proof
Bitts, Riding and towing	Decks, Water-proof
Blocks.	Draft of water, Ascertaining
Blocks, Bushings for	Extinguishing fire on shipboard.
Blocks, Detaching	Ferry boats.
Blocks, Snatch	Fids.
Blocks, Tackle	Fins for ships.
Boat detaching apparatus.	Floating berths.
Boats, Canal	Floating cabins.
Boats, Construction of	Fog bells.
Boats, Folding	Furling sails.
Boats, Life	Gaff jaws.
Boats, Metallic	Gaffs.
Boats, Sectional	Galleys, Ships'
Boats, Steam	Grain levelers in vessels.
Boats, Surf	Grapnels.
Boats, Torpedo	Grappling irons.
Booms.	Grommets.
Braces.	Hanks for sails.
Bulkheads.	Hawse pipes.
Buoys.	Hawsers.
Cabins, Floating	Hoisting boats.

Ice boats.
Ice breakers.
Indicators, Shoal
Iron blocks, Nautical
Iron-clad vessels.
Iron frames.
Iron ribs.
Iron vessels.
Jaws for gaffs.
Keels.
Keelsons.
Knee formers.
Knees.
Lazy jacks for vessels' sails.
Life boats.
Life buckets.
Life-preserving mattresses.
Life-preserving seats.
Life preservers.
Life rafts.
Lights, Deck and side
Light ships.
Lining for vessels.
Logs, Booming
Logs, Rafting
Lowering boats.
Mast hoops.
Masts.
Monitors.
Monitor turrets.
Naval architecture.
Oar locks.
Oars.
Oars, Feathering
Paddle wheels.
Parrel blocks.
Parrels.
Paying seams.
Pilot stands.
Pipes, Chain locker
Port-hole closers, Submarine
Port-holes, Submarine
Preventing vessels from sinking.
Propellers.
Propeller shafts.
Propellers, Submerged.
Propelling in shoal water.
Protecting bulwarks.

Protecting tiller ropes.
Rafts.
Rafting lumber.
Rams, Naval
Reefing apparatus.
Reefing sails.
Ribs, Iron
Rigging.
Rigging clasps.
Rigging, Setting up
Rowlocks.
Rudders.
Rudders, Attachments for
Rudders, Hanging
Rudders, Protecting.
Rudders, Yokes for
Sail clutches.
Sail hoops.
Sails.
Sails, Furling
Sails, Making
Sails, Reefing
Securing cables and hawsers.
Securing hatches.
Shaping ships' timbers.
Sheathing vessels.
Ships' knees.
Signals, Fog
Sparring steamboats.
Spars, Handling and hoisting
Steering apparatus.
Submarine vessels.
Supporting vessels.
Surge relievers.
Suspending ship's boats.
Tables, Ships' cabin
Tackle, Hoisting
Tackle, Safety
Thimble machines for vessels.
Thimbles for sails.
Tightening standing rigging
Tow lines and hooks.
Tracking vessels.
Travelers for masts and booms.
Trimming vessels.
Trusses for vessels.
Windsails.

CLASS XXIV.

PAPER MAKING.

The Preparation of Vegetable Pulp, and the Manufacture of Paper ;
Papier Maché, Pasteboard, &c.

Articles direct from pulp, Making
paper
Bed plates for rag engines.
Binders' boards.
Boxes direct from pulp, Making paper
Paper.
Paper, Calendering
Paper, Drying
Paper, Enameling
Paper-making machines.
Paper, Materials for
Paper, Processes of making
Paper-pulping machines.
Paper pulp.

Paper, Reducing plants to
Paper, Reducing wood to
Paper, Sizing
Paper, Water-proofing
Papier maché.
Paste-board.
Rag engines.
Roofing paper.
Straw boards.
Straw for paper, Treating
Tobacco paper.
Vegetable parchment.
Wall paper.
Wood for paper, Treating

CLASS XXV.

PHILOSOPHICAL INSTRUMENTS.

Including Mathematical, Optical, Surveying, and Nautical Instruments; Philosophical Apparatus, Scales, Measures, and Instruments of Precision generally; Registering, Computing, Signaling, Telegraphing, and the Applications of Electricity and Magnetism.

SECTION 1.—*Mathematical, &c.*

Achromatic glasses.	Indicators, Weather
Adding machines.	Kaleidoscopes.
Annunciators.	Leak indicators.
Arithmetical tables.	Lanterns, Signal
Arithometers.	Lenses, Fluid
Astronomical instruments.	Lenses, Microscopic
Ballot-boxes.	Lenses, Photographic
Beacons.	Lenses, Spectacle
Boxes, Ballot	Lenses, Stereoscopic
Boxes, Fare.	Lenses, Telescopic
Boxes, Letter	Letter-boxes.
Boxes, Post office	Magnifying glasses.
Calculating machines.	Microscopes.
Calendars.	Numeral frames.
Catoptric lighting apparatus.	Opera glasses.
Check boxes, Conductors'	Optical instruments.
Coin counting machines.	Orreries.
Coin, Detecting counterfeit.	Pens, ruling, Draftsman's
Collection boxes.	Pantographs, Ruling.
Compasses.	Perambulators.
Compasses, Mariners'	Perspective apparatus.
Compasses, Surveying	Physical experimentation, Apparatus
Computing tables.	for
Copying instruments.	Planetariums.
Dioptric lighting apparatus.	Planispheres.
Drafting instruments.	Planning instruments.
Ellipsographs.	Plotting surveys, Instruments for
Eye glasses.	Polariscopes.
Fare-boxes.	Prisms.
Frames, Numeral	Reckoning, Instruments for
Geometrical constructors.	Recording votes, Apparatus for
Globes.	Reflectors for windows.
Heliostats.	Roulettes.
Heliotropes.	Rules, Graduated
Hour glasses.	Rules, Parallel
Indicators.	Signaling apparatus.
Indicators for doors.	Signal bells.
Indicators, Station	Signal boxes for fire-alarms.
Indicators, Street	Signal codes.
Indicators, Time	Signals.
Indicators, Tourists'	Signals, Marine

Signals, Pyrotechnic
 Signals, Semaphoric
 Speaking trumpets.
 Speaking tubes.
 Spectacles.
 Spirals, Instruments for drawing
 Telegraphs, Acoustic
 Telegraphs, Optical
 Telegraphs, Pneumatic

Telescopes.
 Telluriums.
 Temperature alarms.
 Thermostats.
 Ticket boxes.
 Time tables.
 Trammels.
 Vanes.
 Weather guides.

SECTION 2.—*Mensuration.*

Alcoholmeters.
 Alkalimeters.
 Altimeters.
 Altitude instruments.
 Anemometers.
 Anemoscopes.
 Anglemeters.
 Azimuth instruments.
 Balances.
 Barometers.
 Bilgewater gauges.
 Burettes.
 Calipers.
 Chronometers.
 Chronoscopes.
 Circumferentors.
 Clepsydras.
 Clock cases.
 Clock fronts.
 Clocks.
 Collimators.
 Compasses, Measuring
 Counting machines.
 Delineators of grades and routes.
 Departure and distance, Instruments
 for determining
 Dials.
 Dials, Sun
 Drop meters.
 Dynamometers.
 Eudiometers.
 Gauges, bilgewater.
 Gauges, Barrel-filling
 Gauges, Measuring
 Gauges, Pressure
 Gauges, Rain
 Gauges, Steam
 Gauges, Vacuum
 Gauging rods.
 Goniometers.
 Graduated glasses.
 Graduated measures.
 Grain tallies.

Grain weighers.
 Graphometers.
 Heliometers.
 Horizons, Artificial
 Horological instruments.
 Hydrometers for any liquid.
 Hydrostatic balances.
 Hygrometers.
 Hypsometers.
 Inclometers.
 Lactometers.
 Latitude, Instruments for determining
 Leeway indicators.
 Letter balances.
 Levels.
 Levels, Pendulum.
 Levels, Spirit
 Leveling staffs.
 Logs, Ships'
 Longitude, Instruments for determining
 Lumber tallies.
 Measure boards.
 Measures, Cloth.
 Measures, Dry and liquid
 Measures, Lumber
 Measures, Surveyors'
 Measures, Tailors'
 Measures, Tape
 Measures, Tire
 Measuring distances, Instruments for
 Measuring faucets.
 Measuring funnels.
 Measuring pumps.
 Measuring sticks
 Meridian finders.
 Meters.
 Meters, Current
 Meters, Drop
 Meters, Fluid
 Meters, Gas
 Meters, Liquid

Meters, Spirit
 Meters, Water
 Metronomes.
 Micrometers.
 Noctuarys.
 Octants.
 Odometers.
 Oleometers.
 Optimeters.
 Pedometers.
 Pendulums.
 Photometers.
 Pipettes.
 Plane tables.
 Planimeters.
 Plumbs.
 Protractors.
 Pyrometers.
 Quadrants.
 Reflecting circles.
 Registers.
 Registers, Billiard
 Registers, Counting
 Registers, Grain
 Registers, Measuring
 Registers, Passenger
 Registers, Printing press
 Registers, Steam engine
 Registers, Street car
 Registers, Time
 Registers, Watchmen's
 Registers, Weighing
 Rules, Measuring
 Saccharometers.
 Salinometers.
 Scales, Drafting

Scales, Mathematical
 Scales, Sliding
 Scales, Tailors'
 Scales, Weighing
 Sectors.
 Sextants.
 Sounding, Instruments for marine
 Specific gravity apparatus.
 Speed indicators.
 Spirometers.
 Springs, Watch
 Squares.
 Steam engine indicators.
 Steam guages.
 Stethometers.
 Submarine beds, Apparatus for pro
 filing
 Surveying instruments.
 Sympiesometers.
 Theodolites.
 Thermometers.
 Time reporters.
 Transit instruments.
 Tripods, Surveyors'
 Urinometers.
 Velocimeter.
 Verniers.
 Watch clocks.
 Watch keys.
 Watches.
 Watches, Winding and setting
 Watch springs.
 Watches, Instruments for jewelers
 Weighing apparatus.
 Weighing buckets.

SECTION 3.—*Electricity.*

Alarms, Electro-magnetic
 Alarms, Burglar, Electro-magnetic
 Alarms, Fire, Electro-magnetic
 Alarms, Telegraphic
 Anti-incrustators, Galvanic
 Anti-incrustators, Magnetic
 Armatures.
 Arresters, Lightning
 Astatic needles.
 Astronomical instruments, Electro-
 magnetic
 Baths, Electro-galvanic
 Batteries, Galvanic
 Batteries, Thermo-electric
 Buoys, Electrical
 Cables, Submarine telegraph
 Cables, Covering submarine telegraph

Calendars, Electrical
 Car brakes, Electrical
 Car starters, Electrical
 Chronographs, Electro-magnetic.
 Chronoscopes, Electro-magnetic
 Circuit breakers.
 Circuit closers.
 Clocks, Electrical
 Commutators.
 Condensers.
 Conductors, Electro-telegraphic
 Conductors, Underground
 Connections for batteries.
 Current regulators.
 Determining longitude, Electrical ap-
 paratus for
 Electrical apparatus.

Electrical balances.
 Electrical machines.
 Electric fuses.
 Electrizing blood, Instrument for
 Electrodes.
 Electro-magnetic apparatus.
 Electro-magnetic engines
 Electro-magnetic machines.
 Electro magnets.
 Electrometers.
 Electronomes.
 Electrophorus.
 Engraving, Electrical apparatus for
 Escapements, Electrical
 Fire-alarm telegraphs.
 Fire-alarm telegraphs, Signal boxes for
 Galvanic bands.
 Galvanic bells.
 Galvanic chains.
 Galvanic combs.
 Galvanic rings.
 Galvanic soles.
 Galvanic spectacles.
 Galvanometers.
 Galvanoscopes.
 Gas engines, Electrical apparatus for
 Heaters, Electrical
 Helices, Electrical
 Hones, Magnetic
 Hydro-electric machines.
 Induction apparatus.
 Insulated wire.
 Insulators,
 Key-boards, Telegraphic
 Keys, Telegraph
 Lamps, Electrical
 Light, electric, Regulators for
 Lighting and extinguishing gas by
 electricity.
 Lightning protectors.
 Lightning rods.
 Line wires.
 Line wires, Covering
 Line wires, Insulating
 Line wires, Protecting
 Line wires, Supporting
 Line wires, Pipes for underground
 Logs, Electrical
 Looms, Electrical
 Magnetic apparatus.
 Magnetic needles.
 Magneto-electric machines.

Magnets.
 Magnets, Receiving
 Magnets, Sounding
 Manipulators.
 Medical application of electricity, In-
 struments for the
 Meteorometers, Telegraphic
 Meters, Electrical.
 Musical instruments, Electro-mag-
 netic
 Pendulums, Electrical
 Pens, galvanic
 Railroad rails from oxidation, Pro-
 tecting
 Railroad signals, Electrical
 Railroad switches, Electrical signals
 for
 Railroad telegraphs.
 Reels, Telegraph
 Registers, Telegraph
 Relays.
 Repeaters.
 Resistance boxes.
 Resistance coils.
 Rheopeters.
 Rheotomes.
 Rheotropes.
 Rheostats.
 Ruling apparatus, Electrical
 Semaphores, Electrical
 Signal boxes.
 Signals, Electrical
 Sorting apparatus, Electrical
 Sounders.
 Storm signals, Electrical
 Switch boards.
 Switches, Telegraph
 Telegraph instruments.
 Telegraphic codes.
 Telegraphic signals.
 Telegraphs, Electro-chemical
 Telegraphs, Electro-magnetic
 Telegraphs, Magneto-electric
 Telegraphs, Printing
 Telephones.
 Time balls, Electrical
 Voltameters.
 Watch clocks, Electrical
 Whaling apparatus, Electrical
 Weighing apparatus, Electrical
 Whistles, Electrical

CLASS XXVI.

PRESSES.

Machines for Compressing Articles and Materials.

[*For Printing Presses, see CLASS XXVII.*]

Automatic presses.
Baling presses.
Bands for baling.
Beater presses.
Cider presses and mills.
Cotton presses.
Cotton bale ties.
Filtering presses.
Flour packers.
Fruit presses.
Hay presses.

Hoop locks.
Hoop strainers.
Lard presses.
Mats for oil presses.
Oil presses and mills.
Packing bands.
Portable presses.
Screw presses.
Sugar presses.
Tobacco presses.
Wool presses.

CLASS XXVII.

PRINTING AND STATIONERY.

Implements and Machines for Printing, Type-setting, and Distributing; Type-founding and Stereotyping, Stamping, &c.; Machines and Tools for Ruling, Folding, and Cutting Paper, and for Bookbinding; Labels, Advertising Cards, Writing Materials, &c.

SECTION 1.—*Printing.*

Addressing machines.	Presses, Seal
Brands for cattle.	Printers' blankets.
Calico printing.	Printers' boxes.
Composing machines.	Printers' cases.
Composing sticks.	Printers' furniture.
Copperplate presses.	Printers' quoins.
Copperplate printing.	Printers' rollers.
Copying presses.	Printers' rules.
Feeding paper to presses.	Printing presses.
Hand stamps.	Printing processes.
Inking apparatus.	Printing surfaces.
Indexing.	Register points for printing presses.
Lithographic presses.	Stamps, Canceling
Numbering machines.	Stamps, Hand
Oil-cloth, Printing	Stamps, Post office
Paging machines.	Stereotyping.
Presses, Canceling	Type, Casting
Presses, Copperplate	Type, Distributing
Presses, Copying	Type, Flexible
Presses, Embossing	Type, Founding
Presses, Hand printing	Type, Scouring
Presses, Lithographic	Type, Setting
Presses, Printing	Typography.

SECTION 2.—*Bookbinding, Stationery, &c.*

Accounts, Keeping	Book clamps.
Adhesive fastenings for paper.	Book covers.
Advertising cards.	Book covers, Machines for making
Advertising frames.	Book holders.
Album clips.	Book keeping.
Albums.	Book markers.
Albums, Photographic	Books, Manifold writing
Animal labels.	Bottles, Tops for mucilage
Baggage checks.	Card cases.
Bill holders.	Card holders.
Blackboards.	Card racks.
Blotters.	Checks, Baggage
Book binders.	Checks, Conductors'
Book binding.	Currency and stamp holders.

Door plates.
Envelope-making machines.
Envelopes.
Erasers.
Fasteners, Paper
Fastenings for books.
Filers.
Gardeners' labels.
Inkstands.
Inkstands, Rubber
Label fasteners.
Labels.
Labels, Adhesive
Letter clips.
Letter files.
Map and chart holders.
Mark-holders for bales.
Mucilage bottles, Tops for
Newspaper clamps.
Paper-bag machines.
Paper bags.
Paper-box machines.
Paper cutters.
Paper-cutting machines.
Paper-envelope machines.
Paper feeders.
Paper-folding machines.
Paper-perforating machines.
Pen cases.
Pencil cases.
Pencil mark erasers.
Pencils.
Pencil sharpeners.
Pen holders.

Pen makers, Quill
Pen racks.
Pens.
Pens, Fountain
Pens, Rubber
Pen trays.
Photographic albums, Binding
Plant labels.
Plows, Bookbinders'
Pocket books.
Porte crayons.
Portemonnaies.
Portfolios.
Railroad ticket holders.
Roll blotters.
Rulers, Desk
Ruling machines.
Scrap-books.
Seals.
Show cards.
Show cards, Automatic
Signs.
Slate frame joints.
Slates, Artificial writing
Slates, Writing
Stationery, Articles of
Tablets, Writing
Tag holders.
Tags.
Ticket holders.
Tickets, Railroad, &c.
Trunk labels.
Visiting cards.
Writing cases.

CLASS XXVIII.

RAILROADS AND RAILROAD CARS.

The construction of Rails, Chairs, Switches, &c., and the Rolling Stock of Railroads.

[*For Engines of Locomotives, see CLASS XXXI.*]

SECTION 1.—*Railroads.*

Pneumatic railways.
 Railroad bumping posts.
 Railroad cattle guards.
 Railroad chairs.
 Railroad crossings.
 Railroad frogs.
 Railroad gates.
 Railroad joints.
 Railroad rails.
 Railroad safety guards.
 Railroad sleepers.
 Railroad splice pieces.
 Railroad switches.

Railroad switch signals.
 Railroad ties.
 Railroad track layers.
 Railroad track platforms.
 Railroad track raisers.
 Railroad tracks.
 Railroad turnouts.
 Railroad turn-tables.
 Railroad water elevators.
 Railroads, Elevators
 Railroads, Portable
 Railroads, Track laying
 Railways, Pneumatic

SECTION 2.—*Cars, &c.*

Axles.
 Berths in sleeping cars.
 Boxes, Railroad axle
 Brakes, Car
 Car brakes.
 Car brakes, Automatic
 Car brake shoes.
 Car brakes, Steam actuated
 Car buffers.
 Car bumpers.
 Car bumper springs.
 Car cabs.
 Car couches.
 Car couplings.
 Car draw-bars.
 Car draw-heads.
 Car pedestals.
 Car platforms.
 Car replacers.
 Car roofs.
 Car seats.
 Car springs.
 Car stake holders.
 Car standards.
 Car truck frames.
 Car trucks.

Car trusses.
 Car wheels.
 Car windows.
 Car windows, Dust excluding and ventilating
 Cars, Adhesion
 Cars, Box
 Cars, Coal
 Cars, Dummy
 Cars, Freight
 Cars, Hand
 Cars, Loading fuel on
 Cars, Petroleum
 Cars, Revolving
 Cars, Running gear of
 Cars, Safety
 Cars, Sleeping
 Cars, Steam street
 Cars, Stopping and starting
 Cars, Street
 Cars, Tank
 Cars, Wrecking
 Cow catchers.
 Mail bag receivers, Railroad car
 Snow plows.
 Track clearers.

CLASS XXIX.

SEWING MACHINES.

Machines for Sewing, Stitching, Embroidering, &c., and the incidents of such machines.

Hemmers.

Ruffles, Machine for making

Sewing machine binders.

Sewing machine bobbins.

Sewing machine bobbin winders.

Sewing machine braiders.

Sewing machine clutch pulleys.

Sewing machine corders.

Sewing machine creasers.

Sewing machine fans.

Sewing machine feed devices.

Sewing machine fellers.

Sewing machine gauges.

Sewing machine guides.

Sewing machine hemmers.

Sewing machine markers.

Sewing machine needle setters.

Sewing machine needle threaders.

Sewing machine needles.

Sewing machine plaiters.

Sewing machine presser feet.

Sewing machine rufflers.

Sewing machine shuttle drivers.

Sewing machine shuttles.

Sewing machine stitches.

Sewing machine tension devices.

Sewing machine thread cutters.

Sewing machine thread motions.

Sewing machine thread waxing devices.

Sewing machine tuckers.

Sewing machine wax thread heaters.

Sewing machines.

Sewing machines, Box plaiting attachments for

Sewing machines, Button hole

Sewing machines for boots and shoes.

Sewing machines for embroidering.

Sewing machines for producing braid on surface.

Sewing machines for sewing on buttons.

Sewing machines for sewing straw goods.

Tape trimming, Machines for making

CLASS XXX.

SPORTS, GAMES, AND TOYS.

Gymnastic Apparatus, Appliances for Archery, Fishing, Skating, &c.; Plays, Games, Diversions, and Implements and Devices for Amusement.

Alphabet blocks.

Archery.

Automata.

Base balls.

Bats for base balls, &c.

Bells, Dumb

Billiard balls.

Billiard chalk cups for tables.

Billiard cue tips.

Billiard cues.

Billiard markers.

Billiard-table chalk holders.

Billiard-table pockets.

Billiard tables.

Bird nests.

Bow and spring guns.

Bows and arrows.

Cards, Playing

Cards, Reading

Checker-boards, Traveling

Chess, Folding

Chess, Pocket

Cigar cases.

Cigarette fillers.

Cigar making.

Cigar presses.

Cigars.

Croquetrie.

Croquet mallets, &c.

Dancing figures.

Dice, Mechanical

Dice-throwers.

Dissected maps.

Dolls.

Dumb bells.

Exercising devices

Fish decoys.

Fish hooks.

Fish spears.

Fish traps.

Fishing.

Fishing floats.

Fishing-line reels.

Fishing-line sinkers.

Fishing-line swivels.

Fishing nets.

Fishing reels.

Fishing rods.

Fishing seines.

Game boards.

Gymnastic apparatus.

Harpoons.

Hobby-horses.

Hooks, Fish

Magic lanterns.

Mallets, Croquet

Maps, Dissected

Mouth-pieces for pipes and cigars.

Nets for birds.

Oyster dredging.

Oyster rakes.

Oyster tongs.

Philosophical toys.

Pipes, Tobacco

Playing cards.

Pouches, Tobacco

Pulleys, Calisthenic

Puzzles.

Rakes, Oyster

Reading cards.

Reels, Fishing

Rocking-horses.

Skate fasteners.

Skates.

Skates; Parlor

Skates, Roller

Snuff boxes.

Snuff sifters.

Stage properties.

Stilts.

Swimming, Teaching the art of

Swings.

Targets.

Tobacco cartridges.

Tobacco cutting.

Tobacco granulating machines.

Tobacco hooks.
Tobacco pipes.
Tobacco pipe-stems.
Tobacco pouches.
Tobacco stoppers.
Tongs, Oyster

Tops, Spinning
Toy blocks.
Toys.
Traps, Bird
Traps, Fish

CLASS XXXI.

STEAM AND AIR ENGINES.

Machines for the Application of Vapor or Gas as a Motor ; Boilers and other Apparatus for Generating the same ; Governors, Steam Pumps, and Feed Apparatus, Condensers, &c.

Air coolers for hot-air engines.
 Air-heating traps.
 Automatic boiler feeders.
 Blowers for steam furnaces.
 Boiler feeders, Automatic
 Boilers.
 Boilers, Air-heating
 Boilers, Cast-iron
 Boilers, Cylinder
 Boilers, Devices for removing incrustation of
 Boilers, Feed water heaters for
 Boilers, Flue
 Boilers, Furnace doors for
 Boilers, Fusible plugs for
 Boilers, Locomotive
 Boilers, Low-water indicators for
 Boilers, Marine
 Boilers, Tools for scaling
 Boilers, Sectional steam
 Boilers, Sheet-metal
 Boilers, Steam injectors for
 Boilers, Tubular
 Boiler tubes, Devices for cleaning
 Boiler tubes, Ferules for
 Boiler tubes, Tools for scaling
 Collapse of boilers, Prevention of
 Condensers.
 Condensers, Jet
 Condensers, Packing for tubes of
 Condensers, Surface
 Condensers, Tubular
 Cut-off apparatus.
 Cut-offs, Governor
 Cut-offs, Variable
 Cut-off valves.
 Cylinders, Steam
 Draft regulators.
 Engines, Air
 Engines, Air and steam combined
 Engines, Caloric
 Engines, Carbonic acid
 Engines, Cut-off valve gear for

Engines for operating rock drills.
 Engines, gun-powder
 Engines, Locomotive
 Engines, Marine
 Engines, Oscillating
 Engines, Reciprocating
 Engines, Rotary
 Engines, Stationary
 Engines, Steam stuffing boxes for
 Engines, Valve gear for
 Feeders, Boiler
 Feed water apparatus.
 Feed water heaters.
 Feed water, Heating
 Fire regulators.
 Fire regulators operated by steam.
 Floats, Boiler
 Foam collectors.
 Foaming, Prevention of
 Furnaces, Locomotive
 Fusible plugs.
 Fusible plugs, Application of
 Gas engines.
 Gaskets, Steam-packing
 Gauges, Water
 Generators, Cast-iron steam
 Generators, Steam
 Generators, Low-water detectors for steam
 Generators, Safety valves for steam
 Generators, Water gauges for steam
 Governor valves.
 Governors.
 Governors, Cut-off
 Gun-powder engines.
 Hammers, Steam engines for
 Hydrostatic steam engines
 Incrustation, Devices for removing
 Indicators, Water
 Injectors, Boiler
 Link motion for steam engines.
 Lock-up safety valves.
 Locomotive boilers.

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| Locomotive furnaces. | Steam reclaimers. |
| Locomotive pumps. | Steam, Superheating |
| Locomotive smoke pipes. | Steam traps. |
| Locomotive valve gear. | Steam valves. |
| Locomotives. | Steam whistles. |
| Locomotives, Conducting smoke and
cinders from | Stop motion for engines, Automatic |
| Locomotives, Fire boxes for | Stuffing boxes. |
| Locomotives, Furnace doors for | Stuffing boxes for valve spindles. |
| Locomotives, Reversing gear for | Supplying water to locomotive ten-
ders by steam. |
| Low-water detectors. | Testing floats for boilers. |
| Lubricators for steam-engine pistons. | Traction engines. |
| Lubricators, Steam-operating | Traps, Steam |
| Mud collectors. | Tube sheets. |
| Nozzles, Variable exhaust | Valve gear. |
| Packing for condensers. | Valve gear, Variable |
| Packing for steam engines. | Valves, Arrangement of |
| Packing for stuffing boxes. | Valves, Automatic |
| Packing for tubes of boilers. | Valves, Back-pressure |
| Piston packing. | Valves, Balance |
| Piston-rod packing. | Valves, Butterfly |
| Piston rods. | Valves, Check |
| Pistons. | Valves, Clack |
| Pumps, Steam | Valves, Core |
| Pumps, Steam automatic | Valves, Cut-off |
| Reciprocating engines | Valves, Disk |
| Reciprocating valve seats. | Valves, Escape |
| Regulators, Automatic steam | Valves for gas engines. |
| Regulators, Exhaust | Valves, Globe |
| Regulators, Safety-valve | Valves, Governor |
| Regulators, Steam | Valves, Oscillating |
| Relieving steam cylinders. | Valves, Puppet |
| Rock drills, Air engines for | Valves, Rotary |
| Rock drills, Steam engines for | Valves, Safety |
| Safety plugs. | Valves, Slide |
| Safety tubes. | Valves, Spring balance |
| Safety valves. | Valves, Stop |
| Sediment collectors. | Valves, Throttle |
| Skimmers for steam boilers. | Valves, Trimmer |
| Smoke pipes. | Water gauges. |
| Spark arresters. | Water heaters. |
| Spark consumers. | Water indicators. |
| Steam generators. | Water pumps, Feed |
| Steam governors. | Water purifiers for boilers. |
| Steam pumps. | |

CLASS XXXII

STONE WORKING.

Machines and Tools for Hewing, Cutting, and Dressing Stone, Marble, Granite, Slate, &c.

Carving stone.
Channeling stone.
Cutting stone and slate.
Dressing stone and slate.
Facing stone and slate.
Finishing stone.
Furrowing stone.
Hewing stone.
Marble-working machines.
Millstone bush hammers.
Millstone hammers.
Millstone picks.

Millstones.
Planing stones.
Polishing stone and slate.
Sand-cleaning machines.
Sawing stone.
Scouring stone.
Slate-working machines.
Splitting slate.
Stone drills.
Stone staves for millers.
Stone-working machines.
Turning stone.

CLASS XXXIII.

SURGICAL APPARATUS.

Instruments and Apparatus for the Mechanical Treatment of Bodily Infirmities, Injuries, and Diseases, and for assisting Natural Functions, including Artificial Limbs, &c.

[*For Cutting Instruments of Surgery, see CLASS XXII.*]

Acoustic Instruments.	Ear trumpets
Anæsthesia, Instruments for producing	Ex-sections, Apparatus for
Arms, Artificial	Extension and counter-extension, Instruments for treating
Articulators.	Eye, Apparatus for treating
Artificial arms.	Eye, Instruments for treating
Artificial eyes.	Eye protectors.
Artificial feet.	Fomentations, Mode of applying
Artificial gums.	Forceps, Artery
Artificial hands.	Forceps, Calculi
Artificial legs.	Forceps, Dental
Artificial palates.	Forceps, Obstetrical
Artificial teeth.	Forceps, Polypus
Bandages.	Fractures, Apparatus for treatment of
Bandages, Catamenial	Fractures, Bone elevators for.
Bandages, Suspensory	Fractures, Coaptators for
Blood, Instruments for infusing	Fractures, Instruments for reducing
Blood, Instruments for propelling	Fractures, Supports for
Breast cups.	Gums, Artificial
Breast pumps.	Hemorrhage, Instruments for arresting
Burial cases.	Hernia, Instruments for treating
Calculi, Instruments for extracting	Inhalation instruments.
Canes, Physicians'	Keys, Dental
Catamenial sacks.	Leeches, Mechanical
Catheters.	Leucorrhœa, Instruments for treating
Cauterizing, Instruments for	Life, Instruments for stimulating
Club feet, Apparatus for correcting	Ligatures.
Coffins.	Ligatures, Instruments for adjusting
Corns, Instruments for removing	Limbs, Artificial
Crutches.	Lithotriptic instruments.
Cupping instruments.	Lithotritors.
Cups, Medicinal	Mallets, Dentists'
Dental mallets.	Medicators.
Dentists' instruments.	Medicine cases.
Dentures.	Menstruation, Instruments for arresting
Dies for dentists.	Milking shields.
Dislocation, Apparatus for correcting	Molds, Dentists'
Dyspepsia, Apparatus for treatment of	Mortars, Pharmacutists'
Dockholders for horses.	Needles, Surgeons'
Dropping tubes.	
Ear, Apparatus for treating	
Ear, Instruments for treating	

Nipples, Artificial
 Nipple shields.
 Nursery bottles.
 Oxygenators.
 Pads for trusses.
 Palates, Artificial
 Pessaries.
 Pharmaceutical apparatus.
 Pills, Machines for making
 Plasters, Machines for spreading
 Plates for artificial teeth.
 Probangs.
 Probes.
 Prolapsus, Instruments for treating
 Pulmometers.
 Saliva, Instruments for removing
 Scarificators.
 Specula, Anal
 Specula, Vaginal
 Spermatorrhœa, Apparatus for treating
 Spine, Apparatus for treatment of
 Splints.
 Spoons, Medicinal
 Springs for artificial teeth.
 Stethoscopes.
 Supporters, Abdominal
 Supporters, Body
 Supporters, Menstrual

Supporters, Obstetrical
 Supporters, Pile
 Supporters, Uterine
 Supporters, Vaginal
 Swages, Dentists'
 Syringes, Catarrhal
 Syringes, Elastic Bulb
 Syringes, Enema
 Syringes, Eye
 Syringes, Hemorrhoidal
 Syringes, Penis
 Syringes, Vaginal
 Tables, Operating
 Tapeworm, Apparatus for removing
 Teeth, Artificial
 Teeth, Drills for
 Teeth, Mallets for filling
 Teeth to plates, Attaching
 Tenaculums.
 Therapeutic applications of heat, cold,
 and air.
 Tonsils, Instruments for operating on
 Tourniquets.
 Trephines.
 Trusses.
 Uterine suppositories.
 Vaccination, Instruments for
 Vapor inhalers.

CLASS XXXIV.

TEXTILE MANUFACTURES.

The Treatment of Cotton, Flax, Hemp, &c.; Wool, Hair, Silk, &c., and Machinery for Carding, Spinning, Cord and Rope-making, Weaving, Knitting, Lace-making, and Braiding.

SECTION 1.—*Carding, &c.*

Assorting fibers.
 Batting machines.
 Carding-machine cylinders.
 Carding machines.
 Carding machines, Cleaning cylinders of
 Carding machines, Cleaning top flats of
 Cards.
 Cards, Cleaning
 Cards, Clothing
 Cards, Clothing clamp

Coating or covering yarn.
 Coiling or laying slivers.
 Combing machines.
 Cotton cleaners.
 Doffing apparatus.
 Lapping machines.
 Pickers.
 Wool burring.
 Wool cleaning.
 Wool oiling.
 Wool washing.

SECTION 2.—*Spinning, Twisting, and Braiding.*

Assorting yarns and threads.
 Balling apparatus.
 Banding spindles.
 Bobbins.
 Bolsters.
 Braid.
 Braiding cords.
 Braiding covering for crinoline.
 Braiding machine carriers.
 Braiding machines.
 Braiding tapes.
 Bullion, Machines for making
 Cans for slivers.
 Chenille machines.
 Cop tubes.
 Cords.
 Cords, Chenille
 Covering rollers.
 Doubling machines.
 Drawing machines.
 Dressing threads.
 Dressing yarns.
 Drying yarns.
 Fishing lines.
 Flyers.
 Folding or tying yarns.
 Fuse-making machines.

Gassing yarns.
 Jacks, Spinning
 Machines, Doubling
 Machines, Drawing
 Measuring yarns.
 Mules.
 Ornamental yarns.
 Packaging yarns, cords, &c.
 Paper twine machines.
 Pasting cops.
 Polishing yarns or threads.
 Presser flyers.
 Reels.
 Ring travelers.
 Rollers, Covering
 Rope-making machines.
 Ropes.
 Ropes, Coiling
 Ropes, Wire
 Silk cleaning.
 Silk doubling and trebling.
 Silk, Sizing
 Silk, Sorting
 Silk, Stretching
 Sizing silk
 Sizing thread.
 Sizing yarn.

Slivers, Cans for
 Slubbing and roving machinery.
 Sorting silk.
 Spindles.
 Spindle, Banding
 Spindles, Lubricating
 Spinning wheels.
 Spooling machines.
 Spools.
 Throstles.

Twine machines.
 Tying yarn.
 Warp dressing machines.
 Wheel heads.
 Winding bobbins.
 Winding skeins, fish and other lines.
 Winding spools of thread.
 Winding warps.
 Wire cables.

SECTION 3.—*Weaving, &c.*

Bags, Woven
 Belting, Woven
 Binding, Woven
 Blinds, Woven
 Bobbins for shuttles.
 Carpet fabrics.
 Carpeting.
 Carpet linings.
 Circular looms.
 Cloth, Dressing
 Cloth, Drying
 Cloth, Finishing
 Cloth, Folding
 Cloth, Napping
 Cloth, Shearing
 Cloth, Sponging
 Cloth, Stretching
 Cloth teaslers.
 Cloth tenter bars.
 Coach lace.
 Cut-piled fabrics.
 Double-piled fabrics.
 Druggets.
 Fabrics, Artificial
 Fabrics, Horse-hair
 Fabrics, Piled
 Fabrics, Woven
 Flannels.
 Fringes.
 Gauze.
 Gig mills.
 Harness for looms.
 Harness, Machine for making
 Hats, Weaving
 Heddles.
 Horse-hair fabrics.
 Jacquard apparatus.
 Let-off motions for looms.
 Looms.
 Looms for cross-weaving.
 Looms for curvilinear weaving.
 Looms for weaving baskets.
 Looms for weaving belting.

Looms for weaving blinds.
 Looms for weaving Brussels carpets.
 Looms for weaving carpets.
 Looms for weaving cases for bottles.
 Looms for weaving corded fabrics.
 Looms for weaving counterpanes.
 Looms for weaving crinoline.
 Looms for weaving cut-piled fabrics.
 Looms for weaving double-piled fabrics.
 Looms for weaving elastic fabrics.
 Looms for weaving figured fabrics.
 Looms for weaving fringes.
 Looms for weaving horse hair.
 Looms for weaving hose.
 Looms for weaving ingrain carpets.
 Looms for weaving matting.
 Looms for weaving metallic tissues.
 Looms for weaving piled fabrics.
 Looms for weaving ribbons.
 Looms for weaving satin.
 Looms for weaving scarfs.
 Looms for weaving shaped fabrics.
 Looms for weaving shawls.
 Looms for weaving sieve cloth.
 Looms for weaving silk.
 Looms for weaving straw fabrics.
 Looms for weaving tarry fabrics.
 Looms for weaving tubular fabrics.
 Looms for weaving two or three-ply carpets.
 Looms for weaving velvets.
 Looms for weaving wire.
 Looms for weaving woollen cloth.
 Machines for making welt binding for rubber goods.
 Matting.
 Measuring cloth, Machines for, &c.
 Mills, Gig
 Packaging fabrics.
 Paper floor cloth.
 Pattern cards.
 Pattern chains.

Pattern cylinders.
 Picker checks.
 Picker motions.
 Picker staves.
 Pickers.
 Pile wires.
 Pile wires, Moving
 Power looms.
 Reeds.
 Shedding apparatus.

Shuttle boxes.
 Shuttle boxes, Actuating
 Shuttle checks.
 Shuttles.
 Smoothing cloth previous to gigging.
 Take-up motions for looms.
 Tape.
 Temples.
 Warp beams.
 Weft forks.

SECTION 4.—*Knitting, &c.*

Bobbinet or twist lace machines.
 Dressing and finishing hosiery.
 Fishing nets, Arrangement of
 Fishing nets, Machines for making
 Gimp.
 Gloves, Knitting
 Knitted goods.
 Knitting machines.

Knitting machines, Burrs for
 Knitting machines, Needles for
 Lace machines.
 Looped fabrics.
 Netting machines.
 Stocking and sock machines.
 Tatting machines.

CLASS XXXV.

WEARING APPAREL.

Articles of Clothing and Methods and Machines for making the same, including Articles for the Toilet, &c.

[*For Hats, see CLASS X.*]

[*For Boots and Shoes, see CLASS XIX.*]

[*For Sewing Machines, see CLASS XXXIX.*]

SECTION 1.—*Garments, Fastenings, &c.*

Belts.
Bonnet caps.
Bonnet clasps.
Bonnet frames.
Bonnets.
Bonnets, Ladies' knit
Bosom and collar, Combined
Bosom expanders.
Bosoms, Shirt
Breast pads.
Busk for corsets.
Bustles and corsets, Combined
Bustles and skirts, Combined
Bustles.
Button hooks.
Button keys or fasteners.
Buttons.
Buttons, Detachable
Buttons, Self-fastening
Buttons, Sleeve
Capes and tippets, Fur
Clasps for garments.
Coats.
Collar fastenings.
Collars and bosoms, Combined
Collars and neck-ties, Combined
Collars, Button holes for
Collars, Cloth
Collars, Imitation lace and linen
Collars, Leather
Collars, Metallic
Collars, Paper
Corset fastenings.
Corsets.
Corsets, Busks or springs for
Cravats.
Cuffs, Shirt
Cuff supporters, Shirt
Diaper pins.

Drawers.
Dress pins.
Dress supporters.
Frilling.
Fur, Articles of
Gaiterettes.
Garment fasteners.
Garments.
Garments, Seamless felt
Garters.
Glove fasteners.
Gloves.
Glove stretching machines.
Glove turning machines.
Hoods.
Hooks and eyes.
Hooks and eyes, Cards for
Mittens.
Muff-forming blocks.
Muffs.
Neck-tie clasps.
Neck-ties.
Neck-ties to collars, Attaching
Neck-ties, Retainers for
Neck-ties, Vulcanized
Nets, Ladies' head
Pantalets.
Pantaloons protectors.
Pantaloons.
Pantaloons, Stiffening for bottom of
Pantaloons straps.
Paper bosoms.
Paper collars.
Paper cuffs.
Pins.
Pins, Diaper
Pockets.
Pockets, Safety
Pockets, Watch-protecting

Ruffles.
 Ruffles, Band
 Scarf pins.
 Shawl pins.
 Shirt bosoms.
 Shirt fronts, Attaching
 Shirts.
 Shoulder straps.
 Shoulder supporters.
 Skirts and corsets, Combined
 Skirt covers.
 Skirt elevators.
 Skirt protectors.
 Skirt supporters.
 Skirts.
 Skirts, Clasps for
 Skirts, Covered wire for
 Skirts, Detachable bottom
 Skirts, Hoop
 Skirts, Metal binding for

Skirts, Seamless
 Skirts, Springs for
 Skirts, Tapes for
 Skirts, Waistbands for
 Sleeve fastenings.
 Sleeves of garments.
 Stockings.
 Stockings, Heel and toe protectors for
 Stocks, Neck
 Stocks, Vulcanized
 Studs, Shirt
 Suspenders.
 Trimming for garments.
 Undergarments.
 Undersleeves.
 Veils, Ladies'
 Vests.
 Vests, Life-preserving
 Vulcanized neck-ties and stocks.
 Wrappers.

SECTION 2.—*Toilet and Work-stand Articles.*

Bodkins.
 Combs, Child's round
 Combs.
 Combs, Back
 Combs, Folding
 Combs, Hair
 Combs, Metal backed
 Combs, Round
 Crotchet needles.
 Curling irons.
 Darning lasts.
 Dressing cases.
 Hair crimpers.
 Hair curlers.
 Hair cutting machines.
 Hair pins.
 Hair trimmings.
 Head dresses.
 Hemmers, Hand
 Instruments for parting hair.
 Jewel boxes.
 Needle cases.
 Needle guards.
 Needles.

Needle threaders.
 Needle wrappers.
 Pin cushions.
 Pomatum cases.
 Powder boxes for cosmetics.
 Razor cases.
 Sewing birds.
 Sewing guards.
 Sewing pins.
 Sewing work holders.
 Shaving cases.
 Shuttles, Tatting
 Spools for darning cotton.
 Spool stands.
 Thimble and thread cutter, Combined
 Thimbles.
 Thread cutters.
 Thread, Envelopes for
 Thread and needle boxes.
 Tooth picks.
 Waterfall head dresses.
 Wigs.
 Work boxes.
 Work holders.

[*For Clothes and Toilet Brushes, see CLASS XVI.*]

SECTION 3.—*Machines, &c.*

Body conformators.
 Bonnet fronts.
 Bonnet-ironing machines.
 Bonnet presses.
 Bonnet-shaping machines.

Bonnet stands, Milliners'
 Bosom folders.
 Bosoms, Machines for cutting out
 paper
 Button making machines.

Buttons to cards, Sewing
 Buttons to fabrics, Eyeletting
 Buttons to fabrics, Riveting
 Cloth-cutting machines.
 Cloth-plaiting machines.
 Collars, Machines for boxing paper
 Collars, Machines for cutting out paper
 Collars, Machines for embossing paper
 Collars, Machines for folding paper
 Collars, Machines for molding paper
 Collars, Packing envelopes for paper
 Collars, Machines for planishing paper
 Collars, Machines for punching button-holes in paper
 Collars, Machines for shaping paper
 Crimping cloth, Machines for
 Drafting pantaloons.
 Dummies for displaying clothing.
 Eyelet-setting machines.
 Fan folding machines.

Fluting cloth, Machines for
 Frames for measuring and fitting.
 Garments, Gauges for cutting
 Garments, Patterns for cutting out
 Garments, System of cutting out
 Gloves, Machines for cutting out
 Hoop skirt formers.
 Hoop skirts, Machines for clasping spangles to
 Hoop skirts, Machines for covering wire for
 Hoop skirts, Machines for making
 Hoop skirts, Machines for marking wire for
 Hoop skirts, Machines for sizing wire for
 Ironing machines, Hosiery
 Ironing machines, Tailors'
 Ladies' figure stands.
 Pantaloon stretchers.
 Ruffles, Machines for making

SECTION 4.—*Miscellaneous.*

Cane and umbrella, Combined
 Canes, Curved heads for
 Canes, Handles for
 Canes, Walking
 Cane, umbrella and lamp, Combined
 Fan and parasol, Combined
 Fans.
 Handles for canes.
 Handles for umbrellas.
 Parasols.
 Sunshades, Pocket

Umbrella cases.
 Umbrella covers.
 Umbrella fasteners.
 Umbrella frames.
 Umbrella ribs or stretchers.
 Umbrella runners.
 Umbrella supporters.
 Umbrella or tent frames.
 Umbrellas.
 Umbrellas, Folding

CLASS XXXVI.

WOOD WORKING.

Machines and Tools for Felling Trees; Hewing, Sawing, Planing, Bending, Turning, Mortising, Dovetailing, and Splitting Wood; Shingle and Stave cutting, Comb-sawing, and the Making of Blinds, Broom-handles, Treenails, Pegs, Match-splints, &c.

SECTION 1.—*Machines.*

Axles, Machines for making wooden
 Axles, Machines for turning wooden
 Bark, Machines for planing
 Bark, Machines for pressing
 Barrels, Machines for making
 Beams, Machines for hewing
 Beams, Machines for making
 Bending wood, Machines for
 Blind slats, Machines for planing
 Blind slats, Machines for tenoning
 Blind slats, Machines for wiring
 Blind stiles, Machines for making
 Blind stiles, Machines for mortising
 Blind stiles, Machines for piercing
 Blind stiles, Machines for spacing
 Blocks, Machines for making hat
 Blocks, Machines for making nautical
 Blocks, Machines for making revolv-
 ing center
 Blocks, Machines for making wooden
 Boring wood, Machines for
 Bowls, Machines for making
 Boxes, Machines for making
 Boxes, Machines for turning
 Boxes, Wooden
 Broom handles, Machines for making
 Broom splints, Machines for making
 Brush backs, Machines for making
 Brush handles, Machines for making
 Buttons, Machines for turning
 Cane, Machines for polishing
 Cane, Machines for splitting
 Cane, Machines for stripping
 Carving machines.
 Chair backs, Machines for dressing
 Chair backs, Machines for rounding
 Chair backs, Machines for sawing
 Chair seats, Machines for boring
 Chair seats, Machines for planing
 Clapboards, Machines for gauging

Clapboards, Machines for planing
 Clapboards, Machines for sawing
 Clothes pins, Machines for slotting
 Clothes pins, Machines for turning
 Cogs on wooden wheels, Machines for
 cutting
 Comb-making machines.
 Corks, Machines for making
 Corks, Machines for polishing
 Cutting irregular forms, Machines for
 Dovetailing machines.
 Dowels, Machines for making
 Drums, kegs, &c, making
 Dye wood, Machines for cutting
 Eave-troughs, Machines for making
 Felling trees.
 Felloes, Machines for bending
 Fellows, Machines for boring
 Fellows, Machines for planing
 Felloes, Machines for sawing
 Fluting lathes, Wood
 Frames, Machines for making oval
 Frames, Machines for making saw
 Frames, Machines for making slate
 Gun stocks, Machines for making
 Gutters, Machines for making wooden
 Handles, Machines for making broom,
 scythe, shovel, chisel, whip, plow,
 &c.
 Hoops, Machines for bending
 Hoops, Machines for cutting
 Hoops, Machines for dressing
 Hoops, Machines for sawing
 Hoops, Machines for splitting
 Hubs, Machines for boring
 Hubs, Machines for centering
 Hubs, Machines for mortising
 Hubs, Machines for setting boxes in
 Hubs, machines for turning
 Joists, Machines for dressing

Lasts, Machines for cutting
 Lasts, Machines for making
 Lasts, Machines for polishing
 Lasts, Machines for turning
 Lathes, Wood-turning
 Lathes, Attachment for wood-turning
 Lathes, Automatic wood-turning
 Logs, Rossing
 Logs, Sawing
 Match blocks, Machines for making
 Matches, Machines for making
 Matches, Machines for jointing
 Matches, Machines for putting in frames
 for dipping
 Matches, Machines for rounding
 Matches, Machines for sawing
 Matches, Machines for splitting
 Mortising machines.
 Oars, Machines for dressing
 Oars, Machines for planing
 Oars, Machines for riving
 Oars, Machines for sawing
 Oval frames, Turning
 Palm leaves, Machines for splitting
 Panels, Rabbeting door
 Pegs, Machines for pointing
 Pegs, Machines for splitting
 Pins, Cutting bed
 Pins, Slotting clothes
 Pins, Turning bed
 Pins, Turning clothes
 Planing machines, Wood
 Plow handles, Bending
 Plow handles, Dressing
 Plow handles, Turning
 Plugs, Machines for cutting wooden
 Pointing rails, pickets, matches, &c.
 Polishing machines, Wood
 Rabbeting machines.
 Rattan, Machines for cutting
 Rattan, Machines for dressing
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Blind slats, Machines for wiring.....	Wood working.....	XXXVI	1
Blind stiles, Machines for making.....	Wood working.....	XXXVI	1
Blind stiles, Machines for mortising.....	Wood working.....	XXXVI	1
Blind stiles, Machines for piercing.....	Wood working.....	XXXVI	1
Blind stiles, Machines for spacing.....	Wood working.....	XXXVI	1
Blinds, Woven.....	Textile manufactures.....	XXXIV	3
Blocks.....	Navigation.....	XXIII	
Blocks, Bushing for.....	Navigation.....	XXIII	
Blocks, Detaching.....	Navigation.....	XXIII	
Blocks, Machines for making hat.....	Wood working.....	XXXVI	1
Blocks, Machines for making nautical.....	Wood working.....	XXXVI	1
Blocks, Machines for making revolving center.....	Wood working.....	XXXVI	1
Blocks, Machines for making wooden.....	Wood working.....	XXXVI	1
Blocks, Snatch.....	Navigation.....	XXIII	
Blocks, Tackle.....	Navigation.....	XXIII	
Blood, Instruments for infusing.....	Surgical apparatus.....	XXXIII	
Blood, Instruments for propelling.....	Surgical apparatus.....	XXXIII	
Blotters.....	Printing and stationery.....	XXVII	2
Blowers, Fan.....	Hydraulics and Pneumatics.....	XVII	
Blowers for steam furnaces.....	Steam and air engines.....	XXXI	
Blowers, Piston.....	Hydraulics and pneumatics.....	XVII	
Blowers, Rotary.....	Hydraulics and pneumatics.....	XVII	
Blowpipes.....	Hydraulics and pneumatics.....	XVII	
Blowpipes, Glass-blowers'.....	Glass manufactures.....	XIII	
Boat-detaching apparatus.....	Navigation.....	XXIII	
Boats, Canal.....	Navigation.....	XXIII	
Boats, Construction of.....	Navigation.....	XXIII	
Boats, Folding.....	Navigation.....	XXIII	
Boats, Life.....	Navigation.....	XXIII	
Boats, Metallic.....	Navigation.....	XXIII	
Boats, Sectional.....	Navigation.....	XXIII	
Boats, Steam.....	Navigation.....	XXIII	
Boats, Surf.....	Navigation.....	XXIII	
Boats, Torpedo.....	Navigation.....	XXIII	
Boats, Trainway for ferry.....	Civil engineering.....	VII	1
Bobbinet or twist-lace machines.....	Textile manufactures.....	XXXIV	4
Bobbins.....	Textile manufactures.....	XXXIV	2
Bobbins for shuttles.....	Textile manufactures.....	XXXIV	3
Bodies of vehicles.....	Carriages.....	V	
Bodkins.....	Wearing apparel.....	XXXV	2
Body conformators.....	Wearing apparel.....	XXXV	3
Bog cutters.....	Civil engineering.....	VII	1
Boiler feeders, Automatic.....	Steam and air engines.....	XXXI	
Boilers, Air-heating.....	Steam and air engines.....	XXXI	
Boilers, Cast-iron.....	Steam and air engines.....	XXXI	
Boilers, Covering for.....	Compositions.....	IX	
Boilers, Cylinder.....	Steam and air engines.....	XXXI	
Boilers, Devices for removing incrustation of.....	Steam and air engines.....	XXXI	
Boilers, Domestic.....	Calorifics.....	IV	1
Boilers, Feed-water heaters for.....	Steam and air engines.....	XXXI	
Boilers for heaters.....	Calorifics.....	IV	3
Boilers, Flue.....	Steam and air engines.....	XXXI	
Boilers, Furnace doors for.....	Steam and air engines.....	XXXI	
Boilers, Fusible plugs for.....	Steam and air engines.....	XXXI	
Boilers, Locomotive.....	Steam and air engines.....	XXXI	
Boilers, Low-water indicators for.....	Steam and air engines.....	XXXI	
Boilers, Making.....	Metal working.....	XXII	3A
Boilers, Marine.....	Steam and air engines.....	XXXI	
Boilers, Sectional steam.....	Steam and air engines.....	XXXI	
Boilers, Setting steam.....	Calorifics.....	IV	1
Boilers, Sheet metal.....	Steam and air engines.....	XXXI	
Boilers, Steam.....	Steam and air engines.....	XXXI	
Boilers, Steam injectors for.....	Steam and air engines.....	XXXI	

Invention.	Class.	Number.	Sec.
Boilers, Tools for scaling	Steam and air engines.....	XXXI	
Boiler tubes, Devices for cleaning.....	Steam and air engines.....	XXXI	
Boiler tubes, Ferrules for.....	Steam and air engines.....	XXXI	
Boiler tubes, Tools for scaling.....	Steam and air engines.....	XXXI	
Boilers, Tubular	Steam and air engines.....	XXXI	
Bolsters for spindles	Textile manufactures.....	XXXIV	2
Bolt cutters.....	Metal working	XXII	2A
Bolting meal, &c	Grinding mills.....	XIV	
Bolts, Casting	Metal working	XXII	1B
Bolts, Chain.....	Builders' hardware.....	III	
Bolts for doors, shutters, &c	Builders' hardware.....	III	
Bolts, Heading	Metal working	XXII	3A
Bolts, Making	Metal working	XXII	3A
Bolts, Screw.....	Metal working	XXII	3B
Bolts, Spring	Builders' hardware.....	III	
Bolts, Threading.....	Metal working	XXII	3A
Bomb lances for killing whales.....	Fire-arms	XII	2
Bone mills	Grinding mills.....	XIV	
Bonnet boxes.....	Household furniture	XVI	3
Bonnet caps.....	Wearing apparel.....	XXXV	1
Bonnet clasps	Wearing apparel.....	XXXV	1
Bonnet frames	Wearing apparel.....	XXXV	1
Bonnet fronts.....	Wearing apparel.....	XXXV	3
Bonnet-ironing machines.....	Wearing apparel.....	XXXV	3
Bonnet presses.....	Wearing apparel.....	XXXV	3
Bonnets.....	Wearing apparel.....	XXXV	1
Bonnets, Felt	Felting and hat making	X	2
Bonnet-shaping machines.....	Wearing apparel.....	XXXV	3
Bonnets, Ladies' knit	Wearing apparel.....	XXXV	1
Bonnet stands, Milliners'	Wearing apparel.....	XXXV	3
Book binders	Printing and stationery	XXVII	2
Book binding.....	Printing and stationery	XXVII	2
Book cases.....	Household furniture.....	XVI	1
Book clamps	Printing and stationery	XXVII	2
Book covers	Printing and stationery	XXVII	2
Book covers, Machines for making.....	Printing and stationery	XXVII	2
Book holders	Printing and stationery.....	XXVII	2
Book-keeping	Printing and stationery.....	XXVII	2
Book markers	Printing and stationery.....	XXVII	2
Books, Manifold writing.....	Printing and stationery.....	XXVII	2
Booms	Navigation	XXIII	
Boot boxes of vehicles.....	Carriages	V	
Boot-channeling machines	Leather manufactures	XIX	2
Boot clamps.....	Leather manufactures	XIX	2
Boot cleaners	Household furniture.....	XVI	3
Boot crimps	Leather manufactures	XIX	2
Boot-grooving machines	Leather manufactures	XIX	2
Boot hooks.....	Leather manufactures	XIX	2
Bootjacks	Household furniture	XVI	3
Boot linings.....	Leather manufactures	XIX	2
Boot patterns	Leather manufactures	XIX	2
Boot racks	Household furniture.....	XVI	2
Boots and shoes.....	Leather manufactures	XIX	2
Boot-seam rubbers	Leather manufactures	XIX	2
Boots for horses	Leather manufactures	XIX	2
Boots, Metallic braces for.....	Leather manufactures	XIX	2
Boots, Metallic shanks for.....	Leather manufactures	XIX	2
Boots, Metallic soles for	Leather manufactures	XIX	2
Boot soles	Leather manufactures	XIX	2
Boot stretchers.....	Leather manufactures	XIX	2
Boots, Wooden soles for	Leather manufactures	XIX	2
Boot trees	Leather manufactures	XIX	2
Boot uppers	Leather manufactures	XIX	2
Boot ventilators.....	Leather manufactures	XIX	2
Bouquet holders	Household furniture.....	XVI	3

Invention.	Class.	Number.	Sec.
Borers, Well	Civil engineering	VII	1
Boring bits, Making	Metal working	XXII	3A
Boring cannons	Metal working	XXII	2A
Boring cylinders	Metal working	XXII	2A
Boring gun barrels	Metal working	XXII	2A
Boring metals	Metal working	XXII	1A
Boring rock, &c	Civil engineering	VII	1
Boring wood, Machines for	Wood working	XXXVI	1
Bosom and collar, Combined	Wearing apparel	XXXV	1
Bosom expanders	Wearing apparel	XXXV	1
Bosom folders	Wearing apparel	XXXV	3
Bosoms, Machines for cutting out paper	Wearing apparel	XXXV	3
Bosoms, Shirt	Wearing apparel	XXXV	1
Bottle cleaners	Household furniture	XVI	3
Bottle faucets	Hydraulics and pneumatics	XVII	
Bottles	Glass manufactures	XIII	
Bottles, Siphon	Hydraulics and pneumatics	XVII	
Bottle stoppers	Household furniture	XVI	3
Bottles, Tops for mucilage	Printing and stationery	XXVII	2
Bottle-washing machines	Hydraulics and pneumatics	XVII	
Botting machines and implements	Hydraulics and pneumatics	XVII	
Bow and spring guns	Sports, games and toys	XXX	
Bow irons for carriages	Carriages	V	
Bowls, Machines for making	Wood working	XXXVI	1
Bows and arrows	Sports, games, and toys	XXX	
Bows, Wagon	Carriages	V	
Boxes, Ballot	Philosophical instruments	XXV	1
Boxes, Cartridge	Leather manufactures	XIX	4
Boxes direct from pulp, Making paper	Paper making	XXIV	
Boxes, Fare	Philosophical instruments	XXV	1
Boxes, Food	Household furniture	XVI	3
Boxes for garments	Household furniture	XVI	3
Boxes for shafting, Stuffing	Mechanical engineering	XX	
Boxes, Fruit	Household furniture	XVI	3
Boxes, Hat	Leather manufactures	XIX	4
Boxes, Journal	Mechanical engineering	XX	
Boxes, Letter	Philosophical instruments	XXV	1
Boxes, Lining journal	Mechanical engineering	XX	
Boxes, Lubricating journal	Mechanical engineering	XX	
Boxes, Machines for making	Wood working	XXXVI	1
Boxes, Machines for turning	Wood working	XXXVI	1
Boxes, Match	Illumination	XVIII	
Boxes of wheel hubs	Carriages	V	
Boxes, Paper	Household furniture	XVI	3
Boxes, Pepper	Household furniture	XVI	2
Boxes, Plant	Household furniture	XVI	3
Boxes, Post office	Philosophical instruments	XXV	1
Boxes, Railroad axle	Railroads and cars	XXVIII	2
Boxes, Thread and string	Household furniture	XVI	3
Boxes, Wooden	Wood working	XXXVI	1
Braces for carriage tops, Making	Metal working	XXII	3A
Braces for trunks	Leather manufactures	XIX	4
Braces, Nautical	Navigation	XXIII	
Brackets	Civil engineering	VII	2
Brackets for eave troughs	Civil engineering	VII	2
Brackets for roofs	Civil engineering	VII	1
Brackets for staging	Civil engineering	VII	1
Bracket shelves	Household furniture	XVI	1
Braid	Textile manufactures	XXXIV	2
Braiding cords	Textile manufactures	XXXIV	2
Braiding covering for crinoline	Textile manufactures	XXXIV	2
Braiding machine carriers	Textile manufactures	XXXIV	2
Braiding machines	Textile manufactures	XXXIV	2
Braiding tapes	Textile manufactures	XXXIV	2
Brakes for horse-powers	Mechanical engineering	XX	

Invention.	Class.	Number.	Sec.
Brakes for machinery, Self-acting.....	Mechanical engineering.....	XX	
Brakes, Railroad car.....	Railroads and railroad cars.....	XXVIII	2
Brakes, Self-acting wagon.....	Carriages.....	V	
Brakes, Wagon.....	Carriages.....	V	
Braking machines.....	Agricultural products, (prep. of).....	II	1
Brands for cattle.....	Printing and stationery.....	XXVII	1
Bran dusters.....	Grinding mills.....	XIV	
Bread, Aerating.....	Chemical processes.....	VI	
Bread and pastry boards.....	Household furniture.....	XVI	2
Bread cutters.....	Household furniture.....	XVI	2
Bread machines.....	Household furniture.....	XVI	2
Bread-making, Chemical processes of.....	Chemical processes.....	VI	
Breaking horses, Apparatus for.....	Leather manufactures.....	XIX	3
Breakwaters.....	Civil engineering.....	VII	1
Breast cups.....	Surgical apparatus.....	XXXIII	
Breast pads.....	Wearing apparel.....	XXXV	1
Breast pumps.....	Surgical apparatus.....	XXXIII	
Breast straps and slides.....	Leather manufactures.....	XIX	3
Breech-loading cannon.....	Fire-arms.....	XII	1
Breech-loading small-arms.....	Fire-arms.....	XII	1
Breech straps.....	Leather manufactures.....	XIX	3
Brewing.....	Chemical processes.....	VI	
Brewing, Apparatus for.....	Chemical processes.....	VI	
Brick kilns.....	Clay manufactures.....	VIII	
Brick machines and presses.....	Clay manufactures.....	VIII	
Brick molds.....	Clay manufactures.....	VIII	
Brick molds of glass.....	Glass manufactures.....	XIII	
Brick presses.....	Clay manufactures.....	VIII	
Bricks.....	Clay manufactures.....	VIII	
Bricks, Composition for.....	Compositions.....	IX	
Bricks, Composition for fire.....	Compositions.....	IX	
Bricks, Fire.....	Clay manufactures.....	VIII	
Bridges, Draw.....	Civil engineering.....	VII	1
Bridges, Ferry.....	Civil engineering.....	VII	1
Bridges, Floating.....	Civil engineering.....	VII	1
Bridges, Flying.....	Civil engineering.....	VII	1
Bridges, Iron.....	Civil engineering.....	VII	1
Bridges, Stone.....	Civil engineering.....	VII	1
Bridges, Suspension.....	Civil engineering.....	VII	1
Bridges, Truss.....	Civil engineering.....	VII	1
Bridges, Tubular.....	Civil engineering.....	VII	1
Bridles.....	Leather manufactures.....	XIX	3
Bridle winkers.....	Leather manufactures.....	XIX	3
Bristle-assorting machines.....	Household furniture.....	XVI	3
Bristle-bunching machines.....	Household furniture.....	XVI	3
Bristle-cleaning machines.....	Household furniture.....	XVI	3
Bristle-washing machines.....	Household furniture.....	XVI	3
Britannia tea and coffee pots.....	Metal working.....	XXII	3B
Broadcast sowers.....	Agriculture.....	I	1
Broilers.....	Calorifics.....	IV	3
Bronzing machines.....	Fine arts.....	XI	1
Broom handles.....	Household furniture.....	XVI	3
Broom handles, Machines for making.....	Wood working.....	XXXVI	1
Broom hangers.....	Household furniture.....	XVI	3
Brooms, Corn, &c.....	Household furniture.....	XVI	3
Brooms, Hair.....	Household furniture.....	XVI	3
Broom splints, Machines for making.....	Wood working.....	XXXVI	1
Brush backs, Machines for making.....	Wood working.....	XXXVI	1
Brushes, Bottle.....	Household furniture.....	XVI	3
Brushes, Flesh.....	Household furniture.....	XVI	3
Brushes, Hair.....	Household furniture.....	XVI	3
Brushes, Handles for.....	Household furniture.....	XVI	3
Brushes, Horse.....	Household furniture.....	XVI	3
Brushes, Nail.....	Household furniture.....	XVI	3
Brushes, Rotary.....	Household furniture.....	XVI	3

Invention.	Class.	Number.	Sec.
Brushes, Scrubbing	Household furniture.....	XVI	3
Brushes, Shoe	Household furniture	XVI	3
Brushes, Tooth	Household furniture.....	XVI	3
Brush handles, Machines for making ..	Wood working	XXXVI	1
Brush-making machines.....	Household furniture.....	XVI	3
Brush pullers	Agriculture.....	I	2
Brush racks	Household furniture.....	XVI	3
Buckets	Household furniture.....	XVI	3
Buckets, Folding	Household furniture.....	XVI	3
Buckles, Making	Metal working.....	XXII	3A
Buckles of all kinds.....	Leather manufactures	XIX	3
Buffing and polishing machine.....	Metal working.....	XXII	2B
Buhrs, Metallic	Grinding mills.....	XIV	
Building	Civil engineering	VII	2
Buildings, Moving	Mechanical engineering	XX	
Bulkheads	Navigation	XXIII	
Bullet molds.....	Fire-arms	XII	2
Bullets, Expanding	Fire-arms	XII	2
Bullion, Machines for making	Textile manufactures.....	XXXIV	2
Bungs, Bushes for	Wood working	XXXVI	2
Bungs, Extractors for.....	Wood working	XXXVI	2
Bungs of all kinds	Wood working	XXXVI	2
Bungs, Wooden.....	Wood working	XXXVI	2
Buoys	Navigation	XXIII	
Buoys, Electrical	Philosophical instruments.....	XXV	3
Bureaus	Household furniture.....	XVI	1
Burettes	Philosophical instruments.....	XXV	2
Burglar alarms.....	Builders' hardware.....	III	
Burial cases	Surgical apparatus	XXXIII	
Burners, Lamp	Illumination.....	XVIII	
Burning fluids	Compositions.....	IX	
Burning lime	Clay manufactures	VIII	
Burnishing machines	Metal working.....	XXII	2B
Burnishing plated ware, Machines for..	Metal working.....	XXII	2B
Burr cutters	Metal working.....	XXII	2A
Bush extractors	Mechanical engineering.....	XX	
Bushings for barrels	Wood working	XXXVI	2
Bushings for gun vents	Fire-arms	XII	1
Busks for corsets	Wearing apparel.....	XXXV	1
Bustles	Wearing apparel.....	XXXV	1
Bustles and corsets, Combined	Wearing apparel.....	XXXV	1
Bustles and skirts, Combined.....	Wearing apparel.....	XXXV	1
Busts	Fine arts.....	XI	2
Butter buckets.....	Household furniture.....	XVI	2
Butter coolers.....	Household furniture.....	XVI	2
Butteris, Blacksmiths'.....	Metal working.....	XXII	3B
Butter molds.....	Agricultural products, (prep. of)	II	2
Butter stampers.....	Agricultural products, (prep. of)	II	2
Butter tongs	Household furniture.....	XVI	2
Butter workers.....	Agricultural products, (prep. of)	II	2
Button hooks	Wearing apparel.....	XXXV	1
Button keys or fasteners.....	Wearing apparel.....	XXXV	1
Button-making machines.....	Wearing apparel.....	XXXV	3
Buttons	Wearing apparel.....	XXXV	1
Buttons, Detachable.....	Wearing apparel.....	XXXV	1
Buttons, Glass.....	Glass manufactures	XIII	
Buttons, Machines for turning	Wood working	XXXVI	1
Buttons, Porcelain	Clay manufactures.....	VIII	
Buttons, Self-fastening	Wearing apparel.....	XXXV	1
Buttons, Sleeve	Wearing apparel.....	XXXV	1
Buttons to cards, Sewing	Wearing apparel.....	XXXV	3
Buttons to fabrics, Eyeleting	Wearing apparel.....	XXXV	3
Buttons to fabrics, Riveting	Wearing apparel.....	XXXV	3

Invention.	Class.	Number.	Sec.
C.			
Cabin-door hooks	Builders' hardware.....	III	
Cabinetmakers' tools	Wood working	XXXVI	2
Cabinet organs.....	Fine arts.....	XI	1
Cabinets.....	Household furniture.....	XVI	1
Cabins, Floating.....	Navigation.....	XXIII	
Cable grippers	Navigation.....	XXIII	
Cable hooks	Navigation.....	XXIII	
Cable nippers.....	Navigation.....	XXIII	
Cables, Covering submarine telegraph	Philosophical instruments.....	XXV	3
Cables for vessels	Navigation.....	XXIII	
Cable shackles.....	Navigation.....	XXIII	
Cables, Laying submarine	Civil engineering	VII	1
Cables, Links for.....	Navigation.....	XXIII	
Cables, Securing.....	Navigation.....	XXIII	
Cables, Submarine telegraph	Philosophical instruments.....	XXV	3
Cables, Suspension bridge.....	Civil engineering	VII	1
Cable stoppers	Navigation.....	XXIII	
Caissons for bridges, piers, &c.....	Civil engineering	VII	1
Cake cutters.....	Household furniture.....	XVI	2
Cake turners.....	Household furniture.....	XVI	2
Calcium lights	Illumination.....	XVIII	
Calculating machines.....	Philosophical instruments.....	XXV	1
Calculi, Instruments for extracting.....	Surgical apparatus	XXXIII	
Calendars	Philosophical instruments.....	XXV	1
Calendars, Electrical	Philosophical instruments.....	XXV	3
Calico printing	Printing and stationery.....	XXVII	1
Calipers	Philosophical instruments.....	XXV	2
Calipers, Making	Metal working	XXII	3A
Calking	Navigation.....	XXIII	
Calks for boots.....	Leather manufactures	XIX	2
Camels	Navigation.....	XXIII	
Cameras, Photographic	Fine arts.....	XI	1
Camera stands	Fine arts.....	XI	1
Camp beds	Household furniture.....	XVI	1
Camp cots.....	Household furniture.....	XVI	1
Camp kits	Household furniture.....	XVI	1
Camp stools	Household furniture.....	XVI	1
Cams, Variable	Mechanical engineering	XX	
Canal boats	Navigation.....	XXIII	
Canal lock gates	Civil engineering	VII	1
Canals	Civil engineering	VII	1
Candle holders.....	Illumination.....	XVIII	
Candle molds, Clay.....	Clay manufactures.....	VIII	
Candles, Apparatus for making.....	Chemical processes.....	VI	
Candles, Composition for	Compositions.....	IX	
Candle snuffers	Metal working.....	XXII	3B
Candlesticks	Illumination.....	XVIII	
Candy-making machines.....	Chemical processes.....	VI	
Cane and umbrella, Combined.....	Wearing apparel.....	XXXV	4
Cane guns	Fire-arms	XII	1
Cane harvesters.....	Harvesters	XV	
Cane, Machines for polishing.....	Wood working	XXXVI	1
Cane, Machines for splitting.....	Wood working	XXXVI	1
Cane, Machines for stripping.....	Wood working	XXXVI	1
Cane mills	Grinding mills.....	XIV	
Canes, Curved heads for.....	Wearing apparel.....	XXXV	4
Canes, Handles for.....	Wearing apparel.....	XXXV	4
Canes, Physicians'	Surgical apparatus.....	XXXIII	
Cane strippers	Agricultural products, (prep. of)	II	2
Canes, Walking	Wearing apparel.....	XXXV	4
Cane, umbrella, and lamp, Combined..	Wearing apparel.....	XXXV	4
Cannons	Fire-arms	XII	1
Cannons, Boring.....	Metal working.....	XXII	2A

Invention.	Class.	Number.	Sec.
Cannons, Forging.....	Metal working.....	XXII	2A
Cannons, Turning.....	Metal working.....	XXII	2A
Can openers.....	Metal working.....	XXII	3B
Canopies, Bed.....	Household furniture.....	XVI	1
Cans, Caustic alkali.....	Metal working.....	XXII	3B
Cans for slivers.....	Textile manufactures.....	XXXIV	2
Cans, Fruit.....	Metal working.....	XXII	3B
Cans, Gunpowder.....	Metal working.....	XXII	3B
Cans, Milk.....	Metal working.....	XXII	3B
Cans, Oil.....	Metal working.....	XXII	3B
Cans, Oyster.....	Metal working.....	XXII	3B
Cans, Paint.....	Metal working.....	XXII	3B
Cans, Preserve.....	Metal working.....	XXII	3B
Cans, Sealing.....	Household furniture.....	XVI	3
Cans, Sheet metal.....	Metal working.....	XXII	3B
Canteens.....	Household furniture.....	XVI	2
Cant hooks.....	Wood working.....	XXXVI	2
Canvas stretchers.....	Fine arts.....	XI	1
Caoutchouc, Preparation of.....	Chemical processes.....	VI	
Capes and tippets, Fur.....	Wearing apparel.....	XXXV	1
Caps.....	Felting and hat making.....	X	2
Caps, Making percussion.....	Metal working.....	XXII	3A
Capstans.....	Mechanical engineering.....	XX	
Capstans for mole plows, &c.....	Mechanical engineering.....	XX	
Capstans, Ships'.....	Mechanical engineering.....	XX	
Caps, Trimming percussion.....	Metal working.....	XXII	3A
Capsules, Medicinal.....	Chemical processes.....	VI	
Carboys.....	Glass manufactures.....	XIII	
Car brakes.....	Railroads and railroad cars.....	XXVIII	2
Car brakes, Automatic.....	Railroads and railroad cars.....	XXVIII	2
Car brakes, Electrical.....	Philosophical instruments.....	XXV	3
Car brake shoes.....	Railroads and railroad cars.....	XXVIII	2
Car brakes, Steam actuated.....	Railroads and railroad cars.....	XXVIII	2
Car buffers.....	Railroads and railroad cars.....	XXVIII	2
Car bumpers.....	Railroads and railroad cars.....	XXVIII	2
Car bumper springs.....	Railroads and railroad cars.....	XXVIII	2
Carburetted machines, Air.....	Chemical processes.....	VI	
Car cabs.....	Railroads and railroad cars.....	XXVIII	2
Carcasses.....	Fire-arms.....	XII	2
Car couches.....	Railroads and railroad cars.....	XXVIII	2
Car couplings.....	Railroads and railroad cars.....	XXVIII	2
Car couplings, Making.....	Metal working.....	XXII	3A
Card cases.....	Printing and stationery.....	XXVII	2
Card grinding.....	Metal working.....	XXII	2B
Card holders.....	Printing and stationery.....	XXVII	2
Carding machines.....	Textile manufactures.....	XXXIV	1
Carding-machine cylinders.....	Textile manufactures.....	XXXIV	1
Carding machines, Cleaning cylinders of.....	Textile manufactures.....	XXXIV	1
Carding machines, Cleaning top flats of.....	Textile manufactures.....	XXXIV	1
Card mounts, Photographic.....	Fine arts.....	XI	1
Car-door latches.....	Builders' hardware.....	III	
Car-door locks.....	Builders' hardware.....	III	
Car draw-bars.....	Railroads and railroad cars.....	XXVIII	2
Card racks.....	Printing and stationery.....	XXVII	2
Car draw-heads.....	Railroads and railroad cars.....	XXVIII	2
Cards, Cleaning.....	Textile manufactures.....	XXXIV	1
Cards, Clothing.....	Textile manufactures.....	XXXIV	1
Cards, Clothing clamp.....	Textile manufactures.....	XXXIV	1
Cards for currying.....	Leather manufactures.....	XIX	3
Cards, Machine.....	Textile manufactures.....	XXXIV	1
Cards, Playing.....	Sports, games, and toys.....	XXX	
Cards, Reading.....	Sports, games, and toys.....	XXX	
Cargo ports.....	Navigation.....	XXIII	
Car jacks.....	Mechanical engineering.....	XX	

Invention.	Class.	Number.	Sec.
Car pedestals	Railroads and railroad cars.....	XXVIII	2
Carpentering	Civil engineering	VII	3
Carpenters' squares, Making	Metal working	XXII	3A
Carpenters' tools	Wood working	XXXVI	2
Carpet bags, Metallic frames for making	Metal working	XXII	3A
Carpet cleaners	Household furniture	XVI	3
Carpet fabrics	Textile manufactures	XXXIV	3
Carpet fasteners	Household furniture	XVI	3
Carpeting	Textile manufactures	XXXIV	3
Carpet linings	Textile manufactures	XXXIV	3
Carpets and oil cloths	Fine arts	XI	2
Carpet stretchers	Household furniture	XVI	3
Carpet sweepers	Household furniture	XVI	3
Car platforms	Railroads and railroad cars	XXVIII	2
Car replacers	Railroads and railroad cars	XXVIII	2
Carriage axles, Making	Metal working	XXII	3A
Carriage couplings	Carriages	V	
Carriage curtain fastenings	Carriages	V	
Carriage curtain knobs	Builders' hardware	III	
Carriage irons	Carriages	V	
Carriage jacks	Mechanical engineering	XX	
Carriages	Carriages	V	
Carriages, Dress guards for	Carriages	V	
Carriage seat fastenings	Carriages	V	
Carriage seats	Carriages	V	
Carriage seats, Shifting rails for	Carriages	V	
Carriages, Fire engine	Carriages	V	
Carriages for field artillery	Fire-arms	XII	1
Carriage-spring heads, Making	Metal working	XXII	3A
Carriage springs, Making steel	Metal working	XXII	3A
Carriage-step protectors	Carriages	V	
Carriage steps	Carriages	V	
Carriages, Top blocks for	Carriages	V	
Carriage thill shackles, Making	Metal working	XXII	3A
Carriage tops	Carriages	V	
Carriage trimmings	Carriages	V	
Carriage window frames	Carriages	V	
Car roofs	Railroads and railroad cars	XXVIII	2
Cars, Adhesion	Railroads and railroad cars	XXVIII	2
Cars, Aerial	Hydraulics and pneumatics	XVII	
Cars, Box	Railroads and railroad cars	XXVIII	2
Cars, Coal	Railroads and railroad cars	XXVIII	2
Cars, Dummy	Railroads and railroad cars	XXVIII	2
Car-seat arm locks	Builders' hardware	III	
Car seats	Railroads and railroad cars	XXVIII	2
Cars, Freight	Railroads and railroad cars	XXVIII	2
Cars, Hand	Railroads and railroad cars	XXVIII	2
Cars, Loading fuel on	Railroads and railroad cars	XXVIII	2
Cars, Petroleum	Railroads and railroad cars	XXVIII	2
Car springs	Railroads and railroad cars	XXVIII	2
Cars, Revolving	Railroads and railroad cars	XXVIII	2
Cars, Running gear of	Railroads and railroad cars	XXVIII	2
Cars, Safety	Railroads and railroad cars	XXVIII	2
Cars, Sleeping	Railroads and railroad cars	XXVIII	2
Cars, Steam street	Railroads and railroad cars	XXVIII	2
Cars, Stopping and starting	Railroads and railroad cars	XXVIII	2
Cars, Street	Railroads and railroad cars	XXVIII	2
Car stake-holders	Railroads and railroad cars	XXVIII	2
Car standards	Railroads and railroad cars	XXVIII	2
Cars, Tank	Railroads and railroad cars	XXVIII	2
Car starters, Electrical	Philosophical instruments	XXV	3
Cars, Wrecking	Railroads and railroad cars	XXVIII	2
Cartridge-filling machines	Fire-arms	XII	2
Cartridge holders	Fire-arms	XII	2
Cartridge linings	Fire-arms	XII	2

Invention.	Class.	Number.	Sec.
Cartridge loaders	Fire-arms	XII	1
Cartridge pouches	Fire-arms	XII	2
Cartridge priming machines	Fire-arms	XII	2
Cartridge retractors	Fire-arms	XII	1
Cartridges	Fire-arms	XII	2
Cartridges, Composition for	Compositions	IX	
Cartridge shells, Making	Metal working	XXII	3A
Cartridges, Metallic	Fire-arms	XII	2
Cartridges, Priming, Metallic	Fire-arms	XII	2
Cartridge wrappers	Fire-arms	XII	2
Car truck frames	Railroads and railroad cars	XXVIII	2
Car truck irons, Making	Metal working	XXII	3A
Car trucks	Railroads and railroad cars	XXVIII	2
Car trusses	Railroads and railroad cars	XXVIII	2
Carts	Carriages	V	
Carving machines	Wood working	XXXVI	1
Carving stone	Stone working	XXXII	
Car wheels	Railroads and railroad cars	XXVIII	2
Car wheels, Making wrought	Metal working	XXII	3A
Car window fastenings	Builder's hardware	III	
Car windows	Railroads and railroad cars	XXVIII	2
Car windows, Dust excluding and ventilating	Railroads and railroad cars	XXVIII	2
Case-hardening iron	Metallurgy	XXI	
Caster bottles	Household furniture	XVI	2
Casters, Furniture	Builder's hardware	III	
Casting augers	Metal working	XXII	1B
Casting axles	Metal working	XXII	1B
Casting bath tubs	Metal working	XXII	1B
Casting bells	Metal working	XXII	1B
Casting bolts	Metal working	XXII	1B
Casting bullets	Metal working	XXII	1B
Casting car wheels	Metal working	XXII	1B
Casting chilled rollers	Metal working	XXII	1B
Casting chills for car wheels	Metal working	XXII	1B
Casting copper cylinders	Metal working	XXII	1B
Casting currycombs	Metal working	XXII	1B
Casting cutter-heads for molding machines	Metal working	XXII	1B
Casting door sheaves	Metal working	XXII	1B
Casting glass	Glass manufactures	XIII	
Casting grate bars	Metal working	XXII	1B
Casting groove rollers	Metal working	XXII	1B
Casting handles for sad-irons	Metal working	XXII	1B
Casting handles for tea and coffee pots	Metal working	XXII	1B
Casting harness-saddle seats	Metal working	XXII	1B
Casting heddle eyes	Metal working	XXII	1B
Casting hinges	Metal working	XXII	1B
Casting hollow ware	Metal working	XXII	1B
Casting horse-shoes	Metal working	XXII	1B
Casting letters on cylinders	Metal working	XXII	1B
Casting lifting handles	Metal working	XXII	1B
Casting metal pulleys	Metal working	XXII	1B
Casting metals on metals	Metal working	XXII	1B
Casting molasses gates	Metal working	XXII	1B
Casting ordnance	Metal working	XXII	1B
Casting panels for doors	Metal working	XXII	1B
Casting pencil sharpeners	Metal working	XXII	1B
Casting plow irons	Metal working	XXII	1B
Casting railroad bars	Metal working	XXII	1B
Casting refractory metals	Metal working	XXII	1B
Casting sad-irons	Metal working	XXII	1B
Casting seamless nuts	Metal working	XXII	1B
Casting seamless screws	Metal working	XXII	1B
Casting shoes for sleighs	Metal working	XXII	1B

Invention.	Class.	Number.	Sec.
Casting skates	Metal working	XXII	1B
Casting skeins for wheel vehicles	Metal working	XXII	1B
Casting sleigh bells	Metal working	XXII	1B
Casting solder drop	Metal working	XXII	1B
Casting spikes	Metal working	XXII	1B
Casting spoons	Metal working	XXII	1B
Casting spouts for tea and coffee pots	Metal working	XXII	1B
Casting steam whistles	Metal working	XXII	1B
Casting steel ingots	Metal working	XXII	1B
Casting stove lids	Metal working	XXII	1B
Casting sugar kettles	Metal working	XXII	1B
Casting tackle blocks	Metal working	XXII	1B
Casting teeth of mowing machines	Metal working	XXII	1B
Casting thill holders	Metal working	XXII	1B
Casting tuyeres	Metal working	XXII	1B
Casting water traps	Metal working	XXII	1B
Casting water wheels	Metal working	XXII	1B
Casting weights	Metal working	XXII	1B
Casting window sash	Metal working	XXII	1B
Casts, Instruments for obtaining	Fine arts	XI	1
Casts, Processes for obtaining	Fine arts	XI	1
Catamenial sacks	Surgical apparatus	XXXIII	
Catheters	Surgical apparatus	XXXIII	
Catoptric lighting apparatus	Philosophical instruments	XXXV	1
Cattle feeders	Agricultural products, (prep. of)	II	2
Cattle gags	Agricultural products, (prep. of)	II	2
Cattle leaders	Leather manufactures	XIX	3
Cattle pens	Agricultural products, (prep. of)	II	2
Cattle stalls	Agricultural products, (prep. of)	II	2
Cattle ties	Leather manufactures	XIX	3
Cauterizing, Instruments for	Surgical apparatus	XXXIII	
Cellar floors	Civil engineering	VII	2
Cement, Fire-proof	Compositions	IX	
Cement for lining lead pipes	Compositions	IX	
Cement, Hydraulic	Compositions	IX	
Cement kilns	Clay manufactures	VIII	
Cement-pipe machines	Clay manufactures	VIII	
Cement, Plastic	Compositions	IX	
Cement, Water-proof	Compositions	IX	
Center boards	Navigation	XXIII	
Centering plates	Metal working	XXII	1B
Centering tools for lathes	Metal working	XXII	2A
Centers for wood lathes	Wood working	XXXVI	2
Centrse of bridge arches	Civil engineering	VII	1
Centrifugal filtering machines	Chemical processes	VI	
Centrifugal guns	Fire-arms	XII	1
Chains, Making	Metal working	XXII	3A
Chair backs, Machines for dressing	Wood working	XXXVI	1
Chair backs, Machines for rounding	Wood working	XXXVI	1
Chair backs, Machines for sawing	Wood working	XXXVI	1
Chair bottoms	Household furniture	XVI	1
Chairs	Household furniture	XVI	1
Chairs and seats, Head rests for	Household furniture	XVI	1
Chairs, Barbers'	Household furniture	XVI	1
Chairs, Camp	Household furniture	XVI	1
Chairs, Dentists'	Household furniture	XVI	1
Chair seats, Machines for boring	Wood working	XXXVI	1
Chair seats, Machines for planing	Wood working	XXXVI	1
Chairs, Enema	Household furniture	XVI	1
Chairs, Folding	Household furniture	XVI	1
Chairs, Instruments for caning	Household furniture	XVI	1
Chairs, Invalid	Household furniture	XVI	1
Chairs, Locomotive	Carriages	V	
Chairs, Making railroad wrought	Metal working	XXII	3A
Chairs, Nursery	Household furniture	XVI	1

Invention.	Class.	Number.	Sec.
Chairs, Obstetrical.....	Household furniture.....	XVI	1
Chairs, Pew.....	Household furniture.....	XVI	1
Chairs, Surgeons'.....	Household furniture.....	XVI	1
Chamber pots.....	Household furniture.....	XVI	1
Chamfering tools.....	Wood working.....	XXXVI	2
Chandeliers.....	Illumination.....	XVIII	
Channeling stone.....	Stone work.....	XXXII	
Charcoal furnaces for cooking.....	Calorifics.....	IV	3
Check boxes, Conductors'.....	Philosophical instruments.....	XXV	1
Checker-boards, Traveling.....	Sports, games and toys.....	XXX	
Check hooks.....	Leather manufactures.....	XIX	3
Checks, Baggage.....	Printing and stationery.....	XXVII	2
Checks, Conductors'.....	Printing and stationery.....	XXVII	2
Cheese covers.....	Household furniture.....	XVI	2
Cheese cutters.....	Household furniture.....	XVI	2
Cheese grinders.....	Household furniture.....	XVI	2
Cheese hoops.....	Agricultural products, (prep. of).....	II	2
Cheese making.....	Agricultural products, (prep. of).....	II	2
Cheese shelves.....	Agricultural products, (prep. of).....	II	2
Cheese turners.....	Agricultural products, (prep. of).....	II	2
Cheese vats.....	Agricultural products, (prep. of).....	II	2
Chemical apparatus.....	Chemical processes.....	VI	
Chemicals, Preparing.....	Chemical processes.....	VI	
Chenille machines.....	Textile manufactures.....	XXXIV	2
Cherry stoners.....	Household furniture.....	XVI	2
Chess, Folding.....	Sports, games, and toys.....	XXX	
Chess, Pocket.....	Sports, games, and toys.....	XXX	
Chest locks.....	Builders' hardware.....	III	
Chicken-raising apparatus.....	Agricultural products, (prep. of).....	II	2
Children's carriages.....	Carriages.....	V	
Children's hand cars.....	Carriages.....	V	
Chills for casting.....	Metal working.....	XXII	1B
Chimney caps.....	Calorifics.....	IV	1
Chimney pots.....	Clay manufactures.....	VIII	
Chimneys.....	Calorifics.....	IV	1
Chimneys, Curing smoky.....	Calorifics.....	IV	1
China ware.....	Clay manufactures.....	VIII	
Chisels, Carpenters', joiners', &c.....	Wood working.....	XXXVI	2
Chisels, Grafting.....	Wood working.....	XXXVI	2
Chisels, Making.....	Metal working.....	XXII	3A
Chisels, Pruning.....	Wood working.....	XXXVI	2
Chronographs, Electro-magnetic.....	Philosophical instruments.....	XXV	3
Chronometers.....	Philosophical instruments.....	XXV	3
Chronoscopes.....	Philosophical instruments.....	XXV	3
Chronoscopes, Electro-magnetic.....	Philosophical instruments.....	XXV	3
Chucks for wood lathes, Centering.....	Wood working.....	XXXVI	2
Chucks for wood lathes, Expanding.....	Wood working.....	XXXVI	2
Churn dashers.....	Agricultural products, (prep. of).....	II	2
Churn powers.....	Mechanical engineering.....	XX	
Churns.....	Agricultural products, (prep. of).....	II	2
Chutes for water-courses.....	Civil engineering.....	VII	1
Cider presses and mills.....	Presses.....	XXVI	
Cigar cases.....	Sports, games, and toys.....	XXX	
Cigarette fillers.....	Sports, games, and toys.....	XXX	
Cigar lighters.....	Illumination.....	XVIII	
Cigar making.....	Sports, games, and toys.....	XXX	
Cigar presses.....	Sports, games, and toys.....	XXX	
Cigar racks.....	Household furniture.....	XVI	3
Cigars.....	Sports, games, and toys.....	XXX	
Cigars, Composition for lighting.....	Composition.....	IX	
Circuit breakers.....	Philosophical instruments.....	XXV	3
Circuit closers.....	Philosophical instruments.....	XXV	3
Circular looms.....	Textile manufactures.....	XXXIV	3
Circumferentors.....	Philosophical instruments.....	XXV	2
Cistern pumps, and filters.....	Hydraulics and pneumatics.....	XVII	

Invention.	Class.	Number.	Sec.
Cisterns, (Masonry, &c.).....	Civil engineering.....	VII	1
Clamping pontils.....	Glass manufacture.....	XIII	
Clamps, Carpenters', joiners', &c.....	Wood working.....	XXXVI	
Clamps for filing saws.....	Metal working.....	XXII	2B
Clamps for molds.....	Metal working.....	XXII	1B
Clamps for sewing harness.....	Leather manufacture.....	XIX	3
Clamps for wringers.....	Household furniture.....	XVI	3
Clamps, Planking.....	Wood working.....	XXXVI	2
Clamps, Shipwrights'.....	Wood working.....	XXXVI	2
Clamps, Stitching.....	Leather manufactures.....	XIX	3
Clapboards.....	Wood working.....	XXXVI	2
Clapboards, Machines for gauging.....	Wood working.....	XXXVI	1
Clapboards, Machines for planing.....	Wood working.....	XXXVI	1
Clapboards, Machines for sawing.....	Wood working.....	XXXVI	1
Clarionets.....	Fine arts.....	XI	1
Clasps and slides for skirts, Making.....	Metal working.....	XXII	3A
Clasps for garments.....	Wearing apparel.....	XXXV	1
Clasps, Making.....	Metal working.....	XXII	3A
Clasps, Rigging.....	Navigation.....	XXIII	
Claw bars.....	Mechanical engineering.....	XX	
Clay mills.....	Clay manufactures.....	VIII	
Clay-pipe machines.....	Clay manufactures.....	VIII	
Clay pulverizers.....	Clay manufactures.....	VIII	
Clay-screening machines.....	Clay manufactures.....	VIII	
Cleaning and dressing castings.....	Metal working.....	XXII	1B
Cleaning emery wheels, Machine for.....	Metal working.....	XXII	2B
Cleats.....	Navigation.....	XXIII	
Clepsydras.....	Philosophical instruments.....	XXV	2
Clevises, Making.....	Metal working.....	XXII	3A
Clinching horse-shoe nails.....	Metal working.....	XXII	2B
Clinch rings, Making.....	Metal working.....	XXII	3A
Clips for singletrees, Making.....	Metal working.....	XXII	3A
Cloak stands.....	Household furniture.....	XVI	1
Clock cases.....	Philosophical instruments.....	XXV	2
Clock fronts.....	Philosophical instruments.....	XXV	2
Clock pillars, Making.....	Metal working.....	XXII	3A
Clocks.....	Philosophical instruments.....	XXV	2
Clocks, Electrical.....	Philosophical instruments.....	XXV	2
Clocks, Illuminating.....	Illumination.....	VIII	
Clod Crushers.....	Agriculture.....	I	1
Closets, Portable.....	Household furniture.....	XVI	1
Closets, Revolving.....	Household furniture.....	XVI	1
Cloth-cutting machines.....	Wearing apparel.....	XXXV	3
Cloth, Dressing.....	Textile manufactures.....	XXXIV	3
Cloth, Drying.....	Textile manufactures.....	XXXIV	3
Clothes clamps.....	Household furniture.....	XVI	1
Clothes frames.....	Household furniture.....	XVI	3
Clothes horses.....	Household furniture.....	XVI	3
Clothes-line reels.....	Household furniture.....	XVI	3
Clothes pins.....	Household furniture.....	XVI	3
Clothes pins, Machines for slotting.....	Wood working.....	XXXVI	1
Clothes pins, Machines for turning.....	Wood working.....	XXXVI	1
Clothes sprinklers.....	Household furniture.....	XVI	3
Clothes sticks.....	Household furniture.....	XVI	3
Clothes tongs.....	Household furniture.....	XVI	3
Clothes wringers.....	Household furniture.....	XVI	3
Cloth, Felt.....	Felting and hat making.....	X	2
Cloth, Finishing.....	Textile manufactures.....	XXXIV	3
Cloth, Folding.....	Textile manufactures.....	XXXIV	3
Cloth, Napping.....	Textile manufactures.....	XXXIV	3
Cloth-plaiting machines.....	Wearing apparel.....	XXXV	3
Cloth, Shearing.....	Textile manufactures.....	XXXIV	3
Cloth, Sponging.....	Textile manufactures.....	XXXIV	3
Cloth, Stretching.....	Textile manufactures.....	XXXIV	3
Cloth teaslers.....	Textile manufactures.....	XXXIV	3

Invention.	Class.	Number.	Sec.
Cloth tenter bars	Textile manufactures	XXXIV	3
Clover hullers	Grinding mills	XIV	
Clover-seed harvesters	Harvesters	XV	
Club feet, Apparatus for correcting	Surgical apparatus	XXXIII	
Clutches for catching animals	Agricultural products, (prep. of)	II	2
Clutches, Friction	Mechanical engineering	XX	
Clutches, Rope	Mechanical engineering	XX	
Coach lace	Textile manufactures	XXXIV	3
Coal and ash sifters	Calorifics	IV	1
Coal breakers	Grinding mills	XIV	
Coal, Drying	Calorifics	IV	1
Coal-hole covers and guards	Civil engineering	VII	1
Coal-mining buckets	Civil engineering	VII	1
Coal, Purification of	Chemical processes	VI	
Coal screens	Calorifics	IV	1
Coal scuttles	Calorifics	IV	1
Coating barrels, Composition for	Compositions	IX	
Coating metallic surfaces	Metallurgy	XXI	
Coating metallic surfaces, Composition for	Compositions	IX	
Coating metals with metals	Metallurgy	XXI	
Coating or covering yarn	Textile manufactures	XXXIV	1
Coats	Wearing apparel	XXXV	1
Cocks, Blow-off	Hydraulics and pneumatics	XVII	
Cocks, Feed	Hydraulics and pneumatics	XVII	
Cocks, Gauge	Hydraulics and pneumatics	XVII	
Cocks, Oil	Hydraulics and pneumatics	XVII	
Cocks, Self-closing	Hydraulics and pneumatics	XVII	
Cocks, Steam	Hydraulics and pneumatics	XVII	
Cocks, Stop	Hydraulics and pneumatics	XVII	
Cocks, Try	Hydraulics and pneumatics	XVII	
Cocks, Water	Hydraulics and pneumatics	XVII	
Coffee cups	Household furniture	XVI	2
Coffee mills	Grinding mills	XIV	
Coffee percolators	Calorifics	IV	3
Coffee pots	Calorifics	IV	3
Coffee roasters	Calorifics	IV	3
Coffer dams	Civil engineering	VII	1
Coffin handles	Builders' hardware	III	
Coffins	Surgical apparatus	XXXIII	
Coffins, Composition for covering	Compositions	IX	
Coffins, Composition for making	Compositions	IX	
Cog gearing	Mechanical engineering	XX	
Cogs on wooden wheels, Machines for cutting	Wood working	XXXVI	1
Coiling or laying slivers	Textile manufactures	XXXIV	1
Coiling pipe	Metal working	XXII	2A
Coiling wire	Metal working	XXII	2A
Coin counting machines	Philosophical instruments	XXV	1
Coin, Detecting counterfeit	Philosophical instruments	XXV	1
Collapse of boilers, Prevention of	Steam and air engines	XXXI	
Collar blocks	Leather manufactures	XIX	3
Collar fastenings	Wearing apparel	XXXV	1
Collars and bosoms, Combined	Wearing apparel	XXXV	1
Collars and neck-ties, Combined	Wearing apparel	XXXV	1
Collars, Button holes for	Wearing apparel	XXXV	1
Collars, Cloth	Wearing apparel	XXXV	1
Collars, Horse	Leather manufactures	XIX	3
Collars, Imitation lace and linen	Wearing apparel	XXXV	1
Collars, Leather	Wearing apparel	XXXV	1
Collars, Machines for boxing paper	Wearing apparel	XXXV	3
Collars, Machines for cutting out paper	Wearing apparel	XXXV	3
Collars, Machines for embossing paper	Wearing apparel	XXXV	3
Collars, Machines for folding paper	Wearing apparel	XXXV	3
Collars, Machines for molding paper	Wearing apparel	XXXV	3

Invention.	Class.	Number.	Sec.
Collars, Machines for planishing paper.	Wearing apparel.....	XXXV	3
Collars, Machines for punching button holes in paper.....	Wearing apparel.....	XXXV	3
Collars, Machines for shaping paper.....	Wearing apparel.....	XXXV	3
Collars, Machines for stuffing.....	Leather manufactures.....	XIX	3
Collars, Metallic.....	Wearing apparel.....	XXXV	1
Collars, Packing envelopes for paper.....	Wearing apparel.....	XXXV	1
Collars, Paper.....	Wearing apparel.....	XXXV	1
Collar straps, Horse.....	Leather manufactures.....	XIX	3
Collection boxes.....	Philosophical instruments.....	XXV	1
Collimators.....	Philosophical instruments.....	XXV	1
Coloring metals.....	Metallurgy.....	XXI	
Columns of buildings.....	Civil engineering.....	VII	3
Combing machines.....	Textile manufactures.....	XXXIV	1
Comb-making machines.....	Wood working.....	XXXVI	1
Comb making, Sawing machines for..	Wood working.....	XXXVI	1
Combs.....	Wearing apparel.....	XXXV	2
Combs, Back.....	Wearing apparel.....	XXXV	2
Combs, Child's round.....	Wearing apparel.....	XXXV	2
Combs, Folding.....	Wearing apparel.....	XXXV	2
Combs, Hair.....	Wearing apparel.....	XXXV	2
Combs, Metal backed.....	Wearing apparel.....	XXXV	2
Combs, Round.....	Wearing apparel.....	XXXV	2
Commutators.....	Philosophical instruments.....	XXV	3
Compasses.....	Philosophical instruments.....	XXV	1
Compasses, Mariners'.....	Philosophical instruments.....	XXV	1
Compasses, Measuring.....	Philosophical instruments.....	XXV	2
Compasses, Surveying.....	Philosophical instruments.....	XXV	1
Composing machines.....	Printing and stationery.....	XXVII	1
Composing sticks.....	Printing and stationery.....	XXVII	1
Composts.....	Compositions.....	IX	
Computing tables.....	Philosophical instruments.....	XXV	1
Concrete foundations, &c.....	Civil engineering.....	VII	2
Concretes.....	Compositions.....	IX	
Condensers for electric apparatus.....	Philosophical instruments.....	XXV	3
Condensers, Jet.....	Steam and air engines.....	XXXI	
Condensers of stills.....	Chemical processes.....	VI	
Condensers, Packing for tubes of.....	Steam and air engines.....	XXXI	
Condensers, Steam.....	Steam and air engines.....	XXXI	
Condensers, Surface.....	Steam and air engines.....	XXXI	
Condensers, Tubular.....	Steam and air engines.....	XXXI	
Conductors, Electro-telegraphic.....	Philosophical instruments.....	XXV	3
Conductors' punches.....	Metal working.....	XXII	3B
Conductors, Underground.....	Philosophical instruments.....	XXV	3
Confectionery.....	Compositions.....	IX	
Confectionery apparatus.....	Chemical processes.....	VI	
Confectionery molds.....	Household furniture.....	XVI	2
Connections for batteries.....	Philosophical instruments.....	XXV	3
Construction of vessels.....	Navigation.....	XXIII	
Converting iron into steel.....	Metallurgy.....	XXI	
Converting iron into steel, Composition for.....	Compositions.....	IX	
Cooking ranges.....	Calorifics.....	IV	3
Cooking stoves.....	Calorifics.....	IV	3
Cooling apparatus.....	Chemical processes.....	VI	
Cooling mixtures.....	Compositions.....	IX	
Coopers' rivets, Making.....	Metal working.....	XXII	3A
Coopers' tools.....	Wood working.....	XXXVI	2
Coopers' tools, Making.....	Metal working.....	XXII	2A
Copperplate presses.....	Printing and stationery.....	XXVII	1
Copperplate printing.....	Printing and stationery.....	XXVII	1
Cop tubes.....	Textile manufactures.....	XXXIV	2
Copying figures.....	Fine arts.....	XI	1
Copying instruments.....	Philosophical instruments.....	XXV	1
Copying presses.....	Printing and stationery.....	XXVII	1

Invention.	Class.	Number.	Sec.
Cords	Textile manufactures	XXXIV	2
Cords, Chenille	Textile manufactures	XXXIV	2
Core boxes	Metal working	XXII	1B
Cores, Carriages for	Metal working	XXII	1B
Cores for casting steel ingots	Metal working	XXII	1B
Cores, Making	Metal working	XXII	1B
Cores, Ventilating	Metal working	XXII	1B
Cork pullers	Household furniture	XVI	3
Corks, Artificial	Compositions	IX	
Corkscrews	Household furniture	XVI	3
Corks, Machines for making	Wood working	XXXVI	1
Corks, Machines for polishing	Wood working	XXXVI	1
Corn-ball molds	Household furniture	XVI	2
Corn cribs	Agricultural products, (prep. of)	II	1
Corn-cutting machines	Harvesters	XV	
Cornets	Fine arts	XI	1
Corn graters	Household furniture	XVI	2
Corn harvesters	Harvesters	XV	
Corn-husking machines	Agricultural products, (prep. of)	II	1
Corn-husk splitters	Agricultural products, (prep. of)	II	1
Corn poppers	Calorifics	IV	3
Corn shellers	Agricultural products, (prep. of)	II	1
Corn-shocking machines	Harvesters	XV	
Corns, Instruments for removing	Surgical apparatus	XXXIII	
Cornstalks, Machines for chopping	Agriculture	I	2
Corpse coolers	Chemical processes	VI	
Corpse embalming	Chemical processes	VI	
Corpse preservers	Chemical processes	VI	
Corrugating	Metal working	XXII	1A
Corset fastenings	Wearing apparel	XXXV	1
Corsets	Wearing apparel	XXXV	1
Corsets, Busks or springs for	Wearing apparel	XXXV	1
Cosmetics	Compositions	IX	
Cotton-bale ties	Presses	XXVI	
Cotton brush, Machines for chopping	Agriculture	I	2
Cotton cleaners	Textile manufactures	XXXIV	1
Cotton choppers	Agriculture	I	1
Cotton gins	Agricultural products, (prep. of)	II	1
Cotton pickers	Harvesters	XV	
Cotton presses	Presses	XXVI	
Cotton seeds for planting, Preparing	Agriculture	I	1
Cotton toppers	Agriculture	I	2
Couches	Household furniture	XVI	1
Couches, Nursing	Household furniture	XVI	1
Countersink tools	Metal working	XXII	2A
Counting machines	Philosophical instruments	XXV	2
Coupling gun-stocks to pistols	Fire-arms	XII	1
Coupling pins, Making	Metal working	XXII	3A
Couplings, Thill	Carriages	V	
Covering rollers	Textile manufactures	XXXIV	2
Covering skirt wire with wire	Metal working	XXII	2B
Cow catchers	Railroads and railroad cars	XXVIII	2
Cowls	Calorifics	IV	1
Cow milkers	Agricultural products, (prep. of)	II	2
Cracker crushers	Household furniture	XVI	2
Cracker machines	Household furniture	XVI	2
Cradles	Household furniture	XVI	1
Cradles, Musical	Household furniture	XVI	1
Cradles, Self-rocking	Household furniture	XVI	1
Cranes	Mechanical engineering	XX	
Cranes, Nautical	Mechanical engineering	XX	
Crank connections	Mechanical engineering	XX	
Cranks, Overcoming dead point of	Mechanical engineering	XX	
Cranks, Substitutes for	Mechanical engineering	XX	
Crates	Household furniture	XVI	3

Invention.	Class.	Number.	Sec.
Cravats	Wearing apparel.....	XXXV	1
Cream stands.....	Household furniture.....	XVI	2
Cream strainers	Household furniture.....	XVI	2
Cressets	Illumination.....	XVIII	
Cribs	Household furniture.....	XVI	1
Crimping cloth, Machines for.....	Wearing apparel.....	XXXV	3
Crimping wire cloth	Metal working.....	XXII	2B
Cringles	Navigation.....	XXIII	
Croquet mallets, &c.....	Sports, games, and toys	XXX	
Croquetrie.....	Sports, games, and toys	XXX	
Crotchet needles	Wearing apparel.....	XXXV	2
Crotchet needles, Making.....	Metal working.....	XXII	3A
Crow-bars.....	Mechanical engineering.....	XX	
Crucible making	Clay manufactures.....	VIII	
Crucibles.....	Compositions.....	IX	
Crucibles for melting steel, &c.....	Metal working.....	XXII	1B
Cruet bottles.....	Glass manufactures	XIII	
Crumb removers	Household furniture.....	XVI	3
Crupper loops.....	Leather manufactures	XIX	3
Cruppers	Leather manufactures	XIX	3
Crutches	Surgical apparatus.....	XXXIII	
Cuffs, Shirt.....	Wearing apparel.....	XXXV	1
Cuff supporters, Shirt	Wearing apparel.....	XXXV	1
Culinary ladles.....	Household furniture.....	XVI	2
Cultivators	Agriculture	I	1
Cultivators, Frames for.....	Agriculture	I	1
Cultivators, Teeth for.....	Agriculture	I	1
Cultivators, Wheel	Agriculture	I	1
Cupping instruments	Surgical apparatus.....	XXXIII	
Cups	Household furniture.....	XVI	2
Cups, Medicinal	Surgical apparatus.....	XXXIII	
Curculio traps	Agricultural products, (prep. of)	II	2
Curd cutters.....	Agricultural products, (prep. of)	II	2
Curing meat, Processes for.....	Chemical processes.....	VI	
Curled hair, Substitutes for.....	Household furniture.....	XVI	1
Curling irons	Wearing apparel.....	XXXV	2
Currency and stamp holders.....	Printing and stationery.....	XXVII	2
Current fenders	Civil engineering	VII	1
Current regulators.....	Philosophical instruments.....	XXV	3
Current wheels	Hydraulics and pneumatics	XVII	
Curry cards.....	Leather manufactures	XIX	3
Currycombs	Leather manufactures	XIX	3
Curtain fixtures	Household furniture.....	XVI	1
Curtains	Household furniture.....	XVI	1
Cut-off apparatus	Steam and air engines.....	XXXI	
Cut-off valves.....	Steam and air engines.....	XXXI	
Cut-offs, Governor.....	Steam and air engines.....	XXXI	
Cut-offs, Variable	Steam and air engines.....	XXXI	
Cut piled fabrics	Textile manufactures.....	XXXIV	3
Cutters, Bung	Wood working	XXXVI	2
Cutters, Feed.....	Agricultural products, (prep. of)	II	2
Cutters for wood, Planing, &c.....	Wood working	XXXVI	2
Cutters, Root.....	Agricultural products, (prep. of)	II	2
Cutter stocks for metal planers.....	Metal working.....	XXII	2A
Cutters, Straw, hay, &c.....	Agricultural products, (prep. of)	II	2
Cutting apparatus for harvesters.....	Harvesters	XV	
Cutting boards for leather.....	Leather manufactures	XIX	2
Cutting glass	Glass manufactures	XIII	
Cutting glaziers' points, Machines for..	Metal working.....	XXII	2B
Cutting irregular forms, Machines for..	Wood working.....	XXXVI	1
Cutting jewels.....	Glass manufactures	XIII	
Cutting machines, Belt	Leather manufactures	XIX	4
Cutting metals.....	Metal working.....	XXII	1A
Cutting sod.....	Agriculture	I	1
Cutting stone and slate	Stone working.....	XXXII	

Invention.	Class.	Number.	Sec.
Cutting tenons on metal.....	Metal working.....	XXII	2A
Cylinders, Boring.....	Metal working.....	XXII	2A
Cylinders, Fluting.....	Metal working.....	XXII	2A
Cylinders, Steam.....	Steam and air engines.....	XXXI	
Cymbals.....	Fine arts.....	XI	1
D.			
Dairies.....	Agricultural products, (prep. of).....	II	2
Dairy implements.....	Agricultural products, (prep. of).....	II	2
Dampers.....	Calorifics.....	IV	1
Dampers for violins.....	Fine arts.....	XI	1
Dancing figures.....	Sports, games, and toys.....	XXX	
Darning lasts.....	Wearing apparel.....	XXXV	2
Davits.....	Navigation.....	XXIII	
Dead bodies, Composition for preserving.....	Compositions.....	IX	
Deadeyes.....	Navigation.....	XXIII	
Dead lights.....	Navigation.....	XXIII	
Decanters, Photographic.....	Fine arts.....	XI	1
Decarbonizing cast iron.....	Metallurgy.....	XXI	
Deck irons.....	Navigation.....	XXIII	
Decks.....	Navigation.....	XXIII	
Decks, Fire-proof.....	Navigation.....	XXIII	
Decks, Water-proof.....	Navigation.....	XXIII	
Decorative enameling.....	Fine arts.....	XI	1
Decorative gilding.....	Fine arts.....	XI	1
Decorative painting.....	Fine arts.....	XI	1
Defecators.....	Chemical compositions.....	VI	
Delineators of grades and routes.....	Philosophical instruments.....	XXV	2
Dental mallets.....	Surgical apparatus.....	XXXIII	
Dental plates, Composition for.....	Compositions.....	IX	
Dentifrices.....	Compositions.....	IX	
Dentists' instruments.....	Surgical apparatus.....	XXXIII	
Dentures.....	Surgical apparatus.....	XXXIII	
Deodorizers.....	Compositions.....	IX	
Departure and distance, Instruments for determining.....	Philosophical instruments.....	XXV	2
Derricks.....	Mechanical engineering.....	XX	
Derricks, Floating.....	Mechanical engineering.....	XX	
Desks.....	Household furniture.....	XVI	1
Desulphurizing coal.....	Metallurgy.....	XXI	
Desulphurizing ores.....	Metallurgy.....	XXI	
Detaching horses from vehicles.....	Carriages.....	V	
Detergents.....	Compositions.....	IX	
Determining longitude, Electrical apparatus for.....	Philosophical instruments.....	XXV	3
Detonating compounds.....	Compositions.....	IX	
Dextrine.....	Compositions.....	IX	
Dials.....	Philosophical instruments.....	XXV	2
Dials, Sun.....	Philosophical instruments.....	XXV	2
Diamonds, Glaziers'.....	Glass manufactures.....	XIII	
Diaper pins.....	Wearing apparel.....	XXXV	1
Dibblers, Hand.....	Agriculture.....	I	1
Dibbling machines.....	Agriculture.....	I	1
Dice, Mechanical.....	Sports, games, and toys.....	XXX	
Dice throwers.....	Sports, games, and toys.....	XXX	
Dies.....	Metal working.....	XXII	2A
Dies for cutting screws.....	Metal working.....	XXII	2A
Dies for dentists.....	Surgical apparatus.....	XXX	
Dies for forming sheet metal ware.....	Metal working.....	XXII	2B
Dies for stamping spoons.....	Metal working.....	XXII	2B
Die stocks.....	Metal working.....	XXII	2A
Differential levers.....	Mechanical engineering.....	XX	
Digesters for cooking.....	Calorifics.....	IV	3
Diggers, Peanut.....	Agriculture.....	I	1

Invention.	Class.	Number.	Sec.
Diggers, Potato	Agriculture	I	1
Diggers, Thistle	Agriculture	I	2
Digging machines	Agriculture	I	1
Dinner plates	Clay manufactures	VIII	
Dioptric lighting apparatus	Philosophical instruments	XXV	1
Dippers	Household furniture	XVI	2
Dish-cloth holders	Household furniture	XVI	3
Dish drainers	Household furniture	XVI	3
Dishes	Household furniture	XVI	2
Dish heaters	Calorifics	IV	3
Dish holders	Household furniture	XVI	3
Dish stands	Household furniture	XVI	3
Dish washers	Household furniture	XVI	3
Disinfecting apparatus	Chemical processes	VI	
Disintegrating quartz, Processes for	Metallurgy	XXI	
Dislocation, Apparatus for correcting	Surgical apparatus	XXXIII	
Dissected maps	Sports, games, and toys	XXX	
Distillation	Chemical processes	VI	
Ditching implements	Agriculture	I	1
Ditching plows	Agriculture	I	1
Diving apparatus	Civil engineering	VII	1
Diving bells	Civil engineering	VII	1
Diving bells, Apparatus for	Civil engineering	VII	1
Dockholders for horses	Surgical apparatus	XXXIII	
Docks, Floating	Civil engineering	VII	1
Doffing apparatus	Textile manufactures	XXXIV	1
Dog muzzles	Leather manufactures	XIX	3
Dog powers	Mechanical engineering	XX	
Dogs for benches	Wood working	XXXVI	2
Dogs for saw mills	Wood working	XXXVI	2
Dogs for wood lathes	Wood working	XXXVI	2
Dolls	Sports, games, and toys	XXX	
Dolls, Composition for	Compositions	IX	
Domes	Civil engineering	VII	2
Door bells	Builders' hardware	III	
Door fasteners	Builders' hardware	III	
Door fasteners, Portable	Builders' hardware	III	
Door holders	Builders' hardware	III	
Door knobs	Builders' hardware	III	
Door locks	Builders' hardware	III	
Door mats	Household furniture	XVI	3
Door plates	Printing and stationery	XXVII	2
Door plates, Attaching	Builders' hardware	III	
Doors	Civil engineering	VII	2
Door sheaves	Builders' hardware	III	
Door springs	Builders' hardware	III	
Door thresholds	Civil engineering	VII	2
Double-piled fabrics	Textile manufactures	XXXIV	3
Doubletrees	Carriages	V	
Doubling machines	Textile manufactures	XXXIV	2
Dough kneaders	Household furniture	XVI	2
Dough machines	Household furniture	XVI	2
Dough raisers	Household furniture	XVI	2
Dough rollers	Household furniture	XVI	2
Dovetailing machines for wood	Wood working	XXXVI	1
Dowels, Machines for making	Wood working	XXXVI	1
Drafting instruments	Philosophical instruments	XXV	1
Drafting pantaloons	Wearing apparel	XXXV	3
Draft of water, Ascertaining	Navigation	XXIII	
Draft regulators	Steam and air engines	XXXI	1
Drag bars for drill-teeth	Agriculture	I	1
Draining machines	Agriculture	I	1
Drain tiles, Apparatus for laying	Agriculture	I	1
Drapery fasteners	Household furniture	XVI	1
Draw-bridges	Civil engineering	VII	1

Invention.	Class.	Number.	Sec.
Draw-bridges, Self-acting	Civil engineering	VII	1
Drawer locks	Builders' hardware	III	
Drawers, Clothing	Wearing apparel	XXXV	1
Drawers for closets	Household furniture	XVI	1
Drawing liquids	Hydraulics and pneumatics	XVII	
Drawing machines, Fiber	Textile manufactures	XXXIV	2
Drawing metals	Metal working	XXII	1A
Draw-plates for tubes	Metal working	XXII	2A
Draw-plates for wire	Metal working	XXII	2A
Dredging boxes, Flour	Household furniture	XVI	2
Dredging machines	Civil engineering	VII	1
Dressing and finishing hosiery	Textile manufactures	XXXIV	4
Dressing cases	Household furniture	XVI	1
Dressing cases	Wearing apparel	XXXV	2
Dressing stone and slate	Stone working	XXXII	
Dressing threads	Textile manufactures	XXXIV	2
Dressing yarns	Textile manufactures	XXXIV	2
Dress pins	Wearing apparel	XXXV	1
Dress supporters	Wearing apparel	XXXV	1
Drilling jigs	Metal working	XXII	2A
Drilling metals	Metal working	XXII	2A
Drill jars, Boring	Civil engineering	VII	1
Drill-rod grabs	Civil engineering	VII	1
Drills, Expanding rock	Civil engineering	VII	1
Drills for rock	Civil engineering	VII	1
Drills from wells, Extracting	Civil engineering	VII	1
Drills, Gauges for	Metal working	XXII	2A
Drills, Ratchet	Metal working	XXII	2A
Drills, Rock	Civil engineering	VII	1
Drills, Twist	Metal working	XXII	2A
Drills, Watchmakers'	Metal working	XXII	2A
Drill teeth	Agriculture	I	1
Drinking cups	Household furniture	XVI	2
Drop drills	Agriculture	I	1
Drop lights	Illumination	XVIII	
Drop meters	Philosophical instruments	XXV	2
Dropping platforms for harvesters	Harvesters	XV	
Dropping tubes	Surgical apparatus	XXXIII	
Druggets	Textile manufactures	XXXIV	3
Drug mills	Grinding mills	XIV	
Drums	Fine arts	XI	1
Drums, keys, &c., Making	Wood working	XXXVI	1
Dry docks	Civil engineering	VII	1
Drying apparatus	Calorifics	IV	1
Drying barrels	Calorifics	IV	1
Drying coal	Calorifics	IV	1
Drying flour, &c.	Calorifics	IV	1
Drying fruit	Agricultural products, (prep. of)	II	2
Drying fruit with artificial heat	Calorifics	IV	1
Drying grain	Calorifics	IV	1
Drying lumber	Calorifics	IV	1
Drying, Meat	Agricultural products, (prep. of)	II	2
Drying peat	Calorifics	IV	1
Drying wool	Calorifics	IV	1
Drying yarns	Textile manufactures	XXXIV	2
Dulcimers	Fine arts	XI	1
Dumb bells	Sports, games, and toys	XXX	
Dumb waiters	Mechanical engineering	XX	
Dumping buckets	Civil engineering	VII	1
Dumping carts	Carriages	V	
Dumping reels for harvesters	Harvesters	XV	
Dumping wagons	Carriages	V	
Dust, Excluding, from railroad cars	Calorifics	IV	2
Dust pans	Household furniture	XVI	3
Dust receptacles	Household furniture	XVI	3

Invention.	Class.	Number.	Sec.
Dyeing	Chemical processes.....	VI	
Dyeing, Apparatus and processes for..	Chemical processes.....	VI	
Dyes	Composition.....	IX	
Dye wood, Machines for cutting	Wood working	XXXVI	1
Dynamometers.....	Philosophical instruments.....	XXV	2
Dyspepsia, Apparatus for treatment of.	Surgical apparatus	XXXIII	
E.			
Ear, Apparatus for treating.....	Surgical apparatus.....	XXXIII	
Ear, Instruments for treating.....	Surgical apparatus.....	XXXIII	
Ear trumpets.....	Surgical apparatus.....	XXXIII	
Earthenware, Composition for making	Compositions.....	IX	
Earthenware, Manufacture of.....	Clay manufactures.....	VIII	
Earth-removing machines.....	Civil engineering.....	VII	1
Earthworks	Civil engineering.....	VII	1
Easels	Fine arts.....	XI	1
Eave troughs.....	Civil engineering.....	VII	2
Eave troughs, Machines for making..	Wood working.....	XXXVI	1
Eccentrics	Mechanical engineering.....	XX	
Edge plane for soles.....	Leather manufactures.....	XIX	2
Edge tools, Making.....	Metal working.....	XXII	2A
Edging irons.....	Agriculture.....	I	2
Egg beaters.....	Household furniture.....	XVI	2
Egg boilers.....	Calorifics.....	IV	3
Egg cups.....	Household furniture.....	XVI	2
Egg-hatching apparatus.....	Agricultural products, (prep. of)	II	2
Egg packers.....	Agricultural products, (prep. of)	II	2
Egg packing boxes.....	Household furniture.....	XVI	3
Egg pans.....	Household furniture.....	XVI	2
Egg testers.....	Household furniture.....	XVI	2
Eggs, Preserving.....	Compositions.....	IX	
Ejectors, Liquid	Hydraulics and Pneumatics.....	XVII	
Elastic pads for horseshoes.....	Metal working.....	XXII	3B
Electrical apparatus.....	Philosophical instruments.....	XXV	3
Electrical balances.....	Philosophical instruments.....	XXV	3
Electrical machines.....	Philosophical instruments.....	XXV	3
Electric fuzes.....	Philosophical instruments.....	XXV	3
Electrizing blood, Instrument for....	Philosophical instruments.....	XXV	3
Electrodes.....	Philosophical instruments.....	XXV	3
Electro-magnetic apparatus.....	Philosophical instruments.....	XXV	3
Electro-magnetic engines.....	Philosophical instruments.....	XXV	3
Electro-magnetic machines.....	Philosophical instruments.....	XXV	3
Electro-magnets.....	Philosophical instruments.....	XXV	3
Electrometers.....	Philosophical instruments.....	XXV	3
Electronomes.....	Philosophical instruments.....	XXV	3
Electrophorus.....	Philosophical instruments.....	XXV	3
Electrotyping	Metallurgy.....	XXI	
Elevating scaffolds.....	Civil engineering.....	VII	1
Elevators for blooms.....	Metal working.....	XXII	2A
Elevators for bricks.....	Mechanical engineering.....	XX	
Elevators for grain.....	Mechanical engineering.....	XX	
Elevators for mortar.....	Mechanical engineering.....	XX	
Elevators, Water.....	Hydraulics and Pneumatics.....	XVII	
Ellipsographs.....	Philosophical instruments.....	XXV	1
Embalming	Chemical processes.....	VI	
Embalming, Composition for.....	Compositions.....	IX	
Embossing	Fine arts.....	XI	1
Embossing glass.....	Glass manufactures.....	XIII	
Embossing machines.....	Fine arts.....	XI	1
Embossing metals.....	Metal working.....	XXII	2A
Emery wheels.....	Metal working.....	XXII	2B
Emery wheels, Composition for.....	Compositions.....	IX	
Enameling machines.....	Fine arts.....	XI	1
Enameling ovens for pottery.....	Clay manufactures.....	VIII	

Invention.	Class.	Number.	Sec.
Enameling, (plastic).....	Fine arts.....	XI	1
Enameling pottery.....	Clay manufactures.....	VIII	
Enameling processes.....	Chemical processes.....	VI	
Enamels.....	Compositions.....	IX	
Engine lathes.....	Metal working.....	XXII	2A
Engines, Air.....	Steam and air engines.....	XXXI	
Engines, Air and steam, combined....	Steam and air engines.....	XXXI	
Engines, Caloric.....	Steam and air engines.....	XXXI	
Engines, Carbonic acid.....	Steam and air engines.....	XXXI	
Engines, Cut-off valve gear for.....	Steam and air engines.....	XXXI	
Engines for operating rock drills.....	Steam and air engines.....	XXXI	
Engines, Gunpowder.....	Steam and air engines.....	XXXI	
Engines, Locomotive.....	Steam and air engines.....	XXXI	
Engines, Marine.....	Steam and air engines.....	XXXI	
Engines, Oscillating.....	Steam and air engines.....	XXXI	
Engines, Reciprocating.....	Steam and air engines.....	XXXI	
Engines, Rose.....	Metal working.....	XXII	2A
Engines, Rotary.....	Steam and air engines.....	XXXI	
Engines, Stationary.....	Steam and air engines.....	XXXI	
Engines, Steam stuffing boxes for.....	Steam and air engines.....	XXXI	
Engines, Valve gear for.....	Steam and air engines.....	XXXI	
Engravers' clutches.....	Fine arts.....	XI	1
Engravers' tools.....	Fine arts.....	XI	1
Engravers' vises.....	Fine arts.....	XI	1
Engraving.....	Fine arts.....	XI	1
Engraving, Electrical apparatus for....	Philosophical instruments.....	XXV	3
Engraving machines.....	Fine arts.....	XI	1
Engraving processes.....	Fine arts.....	XI	1
Envelope-making machines.....	Printing and stationery.....	XXVII	2
Envelopes.....	Printing and stationery.....	XXVII	2
Eolians.....	Fine arts.....	XI	1
Eprouvettes for testing strength of powder.....	Fire-arms.....	XII	2
Equalizing bars.....	Carriages.....	V	
Erasers.....	Printing and stationery.....	XXVII	2
Escapements, Electrical.....	Philosophical instruments.....	XXV	3
Etching.....	Fine arts.....	XI	1
Eudiometers.....	Philosophical instruments.....	XXV	2
Evaporators.....	Chemical processes.....	VI	
Excavators.....	Civil engineering.....	VII	1
Exercising devices.....	Sports, games, and toys.....	XXX	
Exhaust fans.....	Hydraulics and pneumatics.....	XVII	
Expanding mandrels.....	Metal working.....	XXII	2A
Expanding mandrels for wood working....	Wood working.....	XXXVI	2
Expanding reamers.....	Metal working.....	XXII	2A
Expanding tubes for boilers.....	Metal working.....	XXII	2A
Explosive balls for small-arms.....	Fire-arms.....	XII	2
Exsections, Apparatus for.....	Surgical apparatus.....	XXXIII	
Extension and counter-extension, Instruments for treating.....	Surgical apparatus.....	XXXIII	
Extension perches.....	Carriages.....	V	
Extinguishing fire on shipboard.....	Navigation.....	XXIII	
Extractors, Bolt and spike.....	Wood working.....	XXXVI	2
Extractors, Nail and tack.....	Wood working.....	XXXVI	2
Extracts, Preparation of.....	Chemical processes.....	VI	
Eye, Apparatus for treating.....	Surgical apparatus.....	XXXIII	
Eye glasses.....	Philosophical instruments.....	XXV	1
Eye, Instruments for treating.....	Surgical apparatus.....	XXXIII	
Eyelet punches.....	Metal working.....	XXII	3B
Eyelet-setting machines.....	Wearing apparel.....	XXXV	3
Eyelets, Making.....	Metal working.....	XXII	3A
Eye protectors.....	Surgical apparatus.....	XXXIII	

Invention.	Class.	Number.	Sec.
F.			
Fabrics, Artificial.....	Textile manufactures.....	XXXIV	3
Fabrics, Horse-hair.....	Textile manufactures.....	XXXIV	3
Fabrics, Piled.....	Textile manufactures.....	XXXIV	3
Fabrics, Woven.....	Textile manufactures.....	XXXIV	3
Facing stone and slate.....	Stone working.....	XXXII	
Facing wooden moldings with sheet metal.....	Metal working.....	XXII	2B
Fagots for beams, Making.....	Metal working.....	XXII	3A
Fagots for guns and ordnance, Making.....	Metal working.....	XXII	3A
Fagots for railroad rails, Making.....	Metal working.....	XXII	3A
Fagots, Making.....	Metal working.....	XXII	3A
Fan and parasol, Combined.....	Wearing apparel.....	XXXV	4
Fan folding machines.....	Wearing apparel.....	XXXV	3
Fanning mills.....	Agricultural products, (prep. of).....	II	1
Fans.....	Wearing apparel.....	XXXV	4
Fans, Automatic.....	Household furniture.....	XVI	1
Fare-boxes.....	Philosophical instruments.....	XXV	1
Fasteners, Paper.....	Printing and stationery.....	XXVII	2
Fastenings for books.....	Printing and stationery.....	XXVII	2
Fastenings, Upholstery.....	Household furniture.....	XVI	1
Fastening taps to faucets.....	Hydraulics and pneumatics.....	XVII	
Fats, Treatment of.....	Chemical processes.....	VI	
Faucet filters.....	Hydraulics and pneumatics.....	XVII	
Faucets.....	Hydraulics and pneumatics.....	XVII	
Faucets, Basin.....	Hydraulics and pneumatics.....	XVII	
Faucets, Boring.....	Hydraulics and pneumatics.....	XVII	
Faucets, Hot water.....	Hydraulics and pneumatics.....	XVII	
Faucets, metallic, Making.....	Metal working.....	XXII	3A
Faucets, Molasses.....	Hydraulics and pneumatics.....	XVII	
Feather renovators.....	Agricultural products, (prep. of).....	II	2
Feeders, Boiler.....	Steam and air engines.....	XXXI	
Feeding paper to presses.....	Printing and stationery.....	XVII	1
Feed mixers.....	Agricultural products, (prep. of).....	II	2
Feed racks.....	Agricultural products, (prep. of).....	II	2
Feed troughs.....	Agricultural products, (prep. of).....	II	2
Feed water apparatus.....	Steam and air engines.....	XXXI	
Feed water heaters.....	Steam and air engines.....	XXXI	
Feed water, Heating.....	Steam and air engines.....	XXXI	
Feldspar, Processes of decomposing.....	Chemical processes.....	VI	
Felling trees.....	Wood working.....	XXXVI	1
Felloe clamps.....	Carriages.....	V	
Felloes.....	Carriages.....	V	
Felloes, Attaching.....	Carriages.....	V	
Felloes, Expanding.....	Carriages.....	V	
Felloes, Machines for bending.....	Wood working.....	XXXVI	1
Felloes, Machines for boring.....	Wood working.....	XXXVI	1
Felloes, Machines for planing.....	Wood working.....	XXXVI	1
Felloes, Machines for sawing.....	Wood working.....	XXXVI	1
Felt.....	Felting and hat making.....	X	2
Felted fabrics.....	Felting and hat making.....	X	1
Felting cloth.....	Felting and hat making.....	X	1
Felting hats.....	Felting and hat making.....	X	1
Felting, Materials for.....	Felting and hat making.....	X	2
Felting yarn.....	Felting and hat making.....	X	1
Fence posts.....	Agricultural products, (prep. of).....	II	2
Fences.....	Agricultural products, (prep. of).....	II	2
Fences, Flood.....	Agricultural products, (prep. of).....	II	2
Fences, Portable.....	Agricultural products, (prep. of).....	II	2
Fences, Posts for.....	Agricultural products, (prep. of).....	II	2
Fences, Wire.....	Agricultural products, (prep. of).....	II	2
Fenders for ships, &c.....	Navigation.....	XXIII	
Fenders, Furniture.....	Household furniture.....	XVI	1
Ferrules, Making.....	Metal working.....	XXII	3A

Invention.	Class.	Number.	Sec.
Ferry-boat inclines.....	Civil engineering.....	VII	1
Ferry-boat platforms.....	Civil engineering.....	VII	1
Ferry boats.....	Navigation.....	XXIII	
Fertilizing machines.....	Agriculture.....	I	1
Fetters for animals.....	Leather manufactures.....	XIX	3
Fids.....	Navigation.....	XXIII	
Fifes.....	Fine arts.....	XI	1
Fifth wheels.....	Carriages.....	V	
File blanks, Making.....	Metal working.....	XXII	3A
Filers.....	Printing and stationery.....	XXVII	2
Files.....	Metal working.....	XXII	2A
Files, Making.....	Metal working.....	XXII	3A
Filter faucets.....	Hydraulics and pneumatics.....	XVII	
Filtering presses.....	Presses.....	XXVI	
Filters.....	Hydraulics and pneumatics.....	XVII	
Filter and coolers combined.....	Hydraulics and pneumatics.....	XVII	
Filters and tubes for drinking.....	Hydraulics and pneumatics.....	XVII	
Filters for well tubes.....	Hydraulics and pneumatics.....	XVII	
Filters, Globe.....	Hydraulics and pneumatics.....	XVII	
Fingers for harvesters.....	Harvesters.....	XV	
Finishing stone.....	Stone working.....	XXXII	
Fins for ships.....	Navigation.....	XXIII	
Fire-alarm telegraphs.....	Philosophical instruments.....	XXV	3
Fire-alarm telegraphs, Signal boxes for.....	Philosophical instruments.....	XXV	3
Fire-arms.....	Fire-arms.....	XII	1
Fire-arms, Converting muzzle into breech-loading.....	Fire-arms.....	XII	1
Fire-arms, Safety guards for.....	Fire-arms.....	XII	1
Fire backs.....	Calorifics.....	IV	1
Fire bars.....	Calorifics.....	IV	1
Fire bricks.....	Clay manufactures.....	VIII	
Fire bricks, Ovens for.....	Clay manufactures.....	VIII	
Fire engines, Pumps of.....	Hydraulics and pneumatics.....	XVII	
Fire escapes.....	Civil engineering.....	VII	1
Fire extinguishers, Chemical.....	Chemical processes.....	VI	
Fire extinguishers, Hydraulic.....	Hydraulics and pneumatics.....	XVII	
Fire fenders.....	Calorifics.....	IV	1
Fire grates.....	Calorifics.....	IV	1
Fire kindlers.....	Calorifics.....	IV	1
Fire kindling, Composition for.....	Compositions.....	IX	
Fire ladders.....	Civil engineering.....	VII	1
Fireplaces.....	Calorifics.....	IV	1
Fire plugs.....	Hydraulics and pneumatics.....	XVII	
Fire pokers.....	Calorifics.....	IV	1
Fire pots for stoves.....	Calorifics.....	IV	1
Fire-proof buildings.....	Civil engineering.....	VII	2
Fire-proof floors.....	Civil engineering.....	VII	2
Fire-proofing cloth, Composition for.....	Compositions.....	IX	
Fire-proofing wood, Composition for.....	Compositions.....	IX	
Fire regulators.....	Steam and air engines.....	XXXI	
Fire regulators operated by steam.....	Steam and air engines.....	XXXI	
Fire screens.....	Household furniture.....	XVI	1
Fire tongs.....	Calorifics.....	IV	1
Fire tongs, Making.....	Metal working.....	XXII	2A
Fish bars for railroads, Making.....	Metal working.....	XXII	3A
Fish curing and drying.....	Agricultural products, (prep. of).....	II	2
Fish decoys.....	Sports, games, and toys.....	XXX	
Fish hooks.....	Sports, games, and toys.....	XXX	
Fish hooks, Making.....	Metal working.....	XXII	3A
Fishing.....	Sports, games, and toys.....	XXX	
Fishing floats.....	Sports, games, and toys.....	XXX	
Fishing-line reels.....	Sports, games, and toys.....	XXX	
Fishing lines.....	Textile manufactures.....	XXXIV	2
Fishing-line sinkers.....	Sports, games, and toys.....	XXX	
Fishing-line swivels.....	Sports, games, and toys.....	XXX	

Invention.	Class.	Number.	Sec.
Fishing nets.....	Sports, games, and toys.....	XXX	
Fishing nets, Arrangement of.....	Textile manufactures.....	XXXIV	4
Fishing nets, Machines for making.....	Textile manufactures.....	XXXIV	4
Fishing reels.....	Sports, games, and toys.....	XXX	
Fishing rods.....	Sports, games, and toys.....	XXX	
Fishing seines.....	Sports, games, and toys.....	XXX	
Fish oils, Preparing.....	Chemical processes.....	VI	
Fish spears.....	Sports, games, and toys.....	XXX	
Fish traps.....	Sports, games, and toys.....	XXX	
Fish-ways.....	Civil engineering.....	VII	2
Flageolets.....	Fine arts.....	XI	1
Flannels.....	Textile manufactures.....	XXXIV	3
Flasks, Clamps for.....	Metal working.....	XXII	1B
Flasks, Fastenings for.....	Metal working.....	XXII	1B
Flasks, Molders'.....	Metal working.....	XXII	1B
Flat-iron heaters.....	Calorifics.....	IV	1
Flax brakes.....	Agricultural products, (prep. of).....	II	1
Flax pullers.....	Harvesters.....	XV	
Flax scutchers.....	Agricultural products, (prep. of).....	II	1
Fleece-tying machine.....	Agricultural products, (prep. of).....	II	2
Flexible tubing for gas.....	Illumination.....	XVIII	
Floating berths.....	Navigation.....	XXIII	
Floating bridges.....	Civil engineering.....	VII	1
Floating cabins.....	Navigation.....	XXIII	
Floating docks.....	Civil engineering.....	VII	1
Floats, Boiler.....	Steam and air engines.....	XXXI	
Floats, Boot.....	Leather manufactures.....	XIX	2
Flocking fabrics.....	Felting and hat making.....	X	1
Flocking hats.....	Felting and hat making.....	X	1
Flood fences.....	Agricultural products, (prep. of).....	II	2
Flood gates.....	Civil engineering.....	VII	1
Flour chests.....	Household furniture.....	XVI	2
Flour dredgers.....	Household furniture.....	XVI	2
Flour packers.....	Presses.....	XXVI	
Flour sifters.....	Household furniture.....	XVI	2
Flower pots.....	Agricultural products, (prep. of).....	II	2
Flowers, Artificial.....	Fine arts.....	XI	1
Flowers, Preserving.....	Fine arts.....	XI	1
Flower stands.....	Agricultural products, (prep. of).....	II	2
Flue scrapers.....	Calorifics.....	IV	1
Fluid extracts.....	Compositions.....	IX	
Fluids, Printing.....	Compositions.....	IX	
Fluids, Writing.....	Compositions.....	IX	
Flutes.....	Fine arts.....	XI	1
Fluting cloth, Machines for.....	Wearing apparel.....	XXXV	3
Fluting cylinders.....	Metal working.....	XXII	2A
Fluting lathes, Wood.....	Wood working.....	XXXVI	1
Fluxing sand for making glass.....	Glass manufactures.....	XIII	
Flyer guides, Making blanks for.....	Metal working.....	XXII	3A
Flyers.....	Textile manufactures.....	XXXIV	2
Fly nets.....	Leather manufactures.....	XIX	3
Fly nets, Machines for making leather.....	Leather manufactures.....	XIX	3
Fly traps.....	Household furniture.....	XVI	3
Fly wheels.....	Mechanical engineering.....	XX	
Foam collectors.....	Steam and air engines.....	XXXI	
Foaming, Prevention of.....	Steam and air engines.....	XXXI	
Fog bells.....	Navigation.....	XXIII	
Folding or tying yarns.....	Textile manufactures.....	XXXIV	2
Folding sheet metal.....	Metal working.....	XXII	2B
Fomentations, Mode of applying.....	Surgical apparatus.....	XXXIII	
Food, Chemical preservation of.....	Chemical processes.....	VI	
Food for animals, Preparing.....	Agricultural products.....	II	2
Food of animals, Composition for.....	Compositions.....	IX	
Foot rests for horses.....	Metal working.....	XXII	3B
Foot-rot, Composition for.....	Compositions.....	IX	

Invention.	Class.	Number.	Sec.
Footstools	Household furniture	XVI	1
Foot warmers	Calorifics	IV	1
Forage rations	Compositions	IX	
Forceps, Artery	Surgical apparatus	XXXIII	
Forceps, Calculi	Surgical apparatus	XXXIII	
Forceps, Dental	Surgical apparatus	XXXIII	
Forceps, Obstetrical	Surgical apparatus	XXXIII	
Forceps, Polypus	Surgical apparatus	XXXIII	
Forges, Blacksmiths'	Metal working	XXII	2A
Forges, Tuyeres for	Metal working	XXII	2A
Forging crank shafts	Metal working	XXII	2A
Forging cutlery	Metal working	XXII	2B
Forging metals	Metal working	XXII	1A
Forging shafting	Metal working	XXII	2A
Forks, Culinary	Metal working	XXII	3B
Forks, Digging	Agriculture	I	2
Forks, Flesh	Metal working	XXII	3B
Forks, Grain	Harvesters	XV	
Forks, Hand hay	Agriculture	I	2
Forks, Horse hay	Harvesters	XV	
Forks, Machines for making	Metal working	XXII	2B
Forks, Making hay and other	Metal working	XXII	3A
Forks, Manure	Agriculture	I	2
Forks, Table	Metal working	XXII	3B
Forming and cutting skirt springs	Metal working	XXII	2B
Forming and cutting wire	Metal working	XXII	2B
Forming sheet-metal eave troughs, Machines for	Metal working	XXII	2B
Fortifications	Civil engineering	VII	1
Foundations	Civil engineering	VII	2
Fountain levers	Hydraulics and pneumatics	XVII	
Fountains, Beer	Hydraulics and pneumatics	XVII	
Fountains, Sirup	Hydraulics and pneumatics	XVII	
Fountains, Soda	Hydraulics and pneumatics	XVII	
Fractures, Apparatus for treatment of	Surgical apparatus	XXXIII	
Fractures, Bone elevators for	Surgical apparatus	XXXIII	
Fractures, Coaptators for	Surgical apparatus	XXXIII	
Fractures, Instruments for reducing	Surgical apparatus	XXXIII	
Fractures, Supports for	Surgical apparatus	XXXIII	
Frames for measuring and fitting	Wearing apparel	XXXV	3
Frames, Machines for making oval	Wood working	XXXVI	1
Frames, Machines for making saw	Wood working	XXXVI	1
Frames, Machines for making slate	Wood working	XXXVI	1
Frames, Numeral	Philosophical instruments	XXV	1
Framing, Iron and timber	Civil engineering	VII	1
Freezing liquids	Chemical processes	VI	
Friction clutches	Mechanical engineering	XX	
Friction couplings	Mechanical engineering	XX	
Frilling	Wearing apparel	XXXV	1
Fringes	Textile manufactures	XXXIV	3
Frosting glass	Glass manufactures	XIII	
Frows, Coopers'	Wood working	XXXVI	2
Fruit baskets	Household furniture	XVI	3
Fruit boxes	Household furniture	XVI	3
Fruit chambers	Agricultural products, (prep.of)	II	2
Fruit, Composition for preserving	Compositions	IX	
Fruit driers	Agricultural products, (prep. of)	II	2
Fruit frames	Agriculture	I	2
Fruit gatherers	Agricultural products, (prep.of)	II	2
Fruit knives	Metal furniture	XXII	3B
Fruit panniers	Household furniture	XVI	3
Fruit presses	Presses	XXVI	
Fruits, Chemical processes of pre- serving	Chemical processes	VI	
Fruit separators	Agricultural products, (prep.of)	II	2

Invention.	Class.	Number.	Sec.
Frying pans.....	Calorifics	IV	3
Fuel, Apparatus for burning wet.....	Calorifics	IV	1
Fuel, Artificial.....	Compositions.....	IX	
Fulling	Felting and hat making.....	X	1
Fulling mills	Felting and hat making.....	X	1
Fulminating compounds.....	Compositions.....	IX	
Fumigators.....	Agricultural products.....	II	2
Funnels.....	Hydraulics and pneumatics.....	XVII	
Fur, Articles of.....	Wearing apparel.....	XXXV	1
Furling sails.....	Navigation.....	XXIII	
Furnace doors	Calorifics	IV	1
Furnace grate bars, Casting.....	Metal working.....	XXII	1B
Furnaces, Annealing.....	Metal working.....	XXII	2B
Furnaces, Boiling.....	Metallurgy.....	XXI	
Furnaces, Bone black.....	Chemical processes.....	VI	
Furnaces, Catalan	Metallurgy.....	XXI	
Furnaces, Chemical	Chemical processes.....	VI	
Furnaces, Copper.....	Metallurgy.....	XXI	
Furnaces, Cupola.....	Metallurgy.....	XXI	
Furnaces for baths	Calorifics	IV	1
Furnaces for cooking, Portable.....	Calorifics	IV	3
Furnaces, Heating.....	Calorifics	IV	1
Furnaces, Hot blast.....	Metallurgy.....	XXI	
Furnaces, Iron.....	Metallurgy.....	XXI	
Furnaces, Lead.....	Metallurgy.....	XXI	
Furnaces, Locomotive.....	Steam and air engines.....	XXXI	
Furnaces, Portable heating.....	Calorifics	IV	1
Furnaces, Puddling.....	Metallurgy.....	XXI	
Furnaces, Salt.....	Chemical processes.....	VI	
Furnaces, Sugar.....	Chemical processes.....	VI	
Furnaces, Zinc.....	Metallurgy.....	XXI	
Furniture	Fine arts.....	XI	2
Furniture, Feet for legs of	Household furniture.....	XVI	1
Furniture hooks	Builders' hardware	III	
Furniture knobs	Builders' hardware.....	III	
Furniture pads.....	Household furniture.....	XVI	1
Furrowing machines	Agriculture	I	1
Furrowing stone	Stone working.....	XXXII	
Fusible plugs.....	Steam and air engines	XXXI	
Fusible plugs, Application of.....	Steam and air engines.....	XXXI	
Fuze making machine.....	Textile manufactures.....	XXXIV	2
Fuzes, Concussion	Fire-arms	XII	2
Fuzes, Safety	Fire-arms	XII	2
Fuzes, Time.....	Fire-arms	XII	2
G.			
Gaff jaws	Navigation	XXIII	
Gaffs	Navigation.....	XXIII	
Gag runners.....	Leather manufactures.....	XIX	3
Gaiterettes	Wearing apparel	XXXV	1
Gaiters, Leather.....	Leather manufactures	XIX	2
Galleys, Ships'	Navigation.....	XXIII	
Galvanic bands	Philosophical instruments	XXV	3
Galvanic belts	Philosophical instruments	XXV	3
Galvanic chains.....	Philosophical instruments	XXV	3
Galvanic combs	Philosophical instruments	XXV	3
Galvanic rings.....	Philosophical instruments	XXV	3
Galvanic soles	Philosophical instruments	XXV	3
Galvanic spectacles.....	Philosophical instruments	XXV	3
Galvanizing metals.....	Metallurgy.....	XXI	
Galvanometers.....	Philosophical instruments	XXV	3
Galvanoscopes	Philosophical instruments	XXV	3
Game boards	Sports, games, and toys	XXX	
Garbage boxes in pavements	Civil engineering	VII	1

Invention.	Class.	Number.	Sec.
Garbage sinks	Civil engineering	VII	1
Gardener's basket supports	Agriculture	I	2
Gardeners' labels	Printing and stationery	XXVII	2
Garden implements	Agriculture	I	2
Garden pots	Clay manufactures	VIII	
Garment fasteners	Wearing apparel	XXXV	1
Garments	Wearing apparel	XXXV	1
Garments, Gauges for cutting	Wearing apparel	XXXV	3
Garments, Patterns for cutting out	Wearing apparel	XXXV	3
Garments, Seamless felt	Wearing apparel	XXXV	1
Garments, System of cutting out	Wearing apparel	XXXV	3
Garters	Wearing apparel	XXXV	3
Gas brackets	Illumination	XVIII	
Gas engines	Steam and air engines	XXXI	
Gas engines, Electrical apparatus for	Philosophical instruments	XXV	3
Gas-fitters' hooks, Making	Metal working	XXII	3A
Gas fitting	Illumination	XVIII	
Gas fittings, Making	Metal working	XXII	3A
Gaskets, Steam packing	Steam and air engines	XXXI	
Gas lighters	Illumination	XVIII	
Gas, Manufacture of	Chemical processes	VI	
Gasoliers	Illumination	XVIII	
Gas, Purifying	Chemical processes	VI	
Gas regulators	Illumination	XVIII	
Gassing yarns	Textile manufactures	XXXIV	2
Gas stoves	Calorifics	IV	1
Gas stoves, (cooking)	Calorifics	IV	3
Gas tubing, Compound for flexible	Compositions	IX	
Gate catches	Builders' hardware	III	
Gate posts	Agricultural products, (prep. of)	II	2
Gates	Agricultural products, (prep. of)	II	2
Gates, Flood	Civil engineering	VII	1
Gates, Water	Civil engineering	VII	1
Gates, Water wheel	Hydraulics and pneumatics	XVII	
Gates, water wheel, Regulators for	Hydraulics and pneumatics	XVII	
Gauges, Barrel-filling	Philosophical instruments	XXV	2
Gauges, Carpenters'	Wood working	XXXVI	2
Gauges for sawing machines	Wood working	XXXVI	2
Gauges, Measuring	Philosophical instruments	XXV	2
Gauges, Pressure	Philosophical instruments	XXV	2
Gauges, Rain	Philosophical instruments	XXV	2
Gauges, Sliding	Wood working	XXXVI	2
Gauges, Steam	Philosophical instruments	XXV	2
Gauges, Vacuum	Philosophical instruments	XXV	2
Gauges, Water	Steam and air engines	XXXI	
Gauging rods	Philosophical instruments	XXV	2
Gauze	Textile manufactures	XXXIV	3
Gaveling attachment for harvesters	Harvesters	XV	
Gear cutting	Wood working	XXII	2A
Gelatine and its compounds	Compositions	IX	
Generators, Cast iron steam	Steam and air engines	XXXI	
Generators, Low water detectors for steam	Steam and air engines	XXXI	
Generators, Safety valves for steam	Steam and air engines	XXXI	
Generators, Steam	Steam and air engines	XXXI	
Generators, Water gauges for steam	Steam and air engines	XXXI	
Geometrical constructors	Philosophical instruments	XXV	1
Gig mills	Textile manufactures	XXIV	3
Gig trees	Leather manufactures	XIX	3
Gilding	Fine arts	XI	1
Gimlets	Wood working	XXXVI	2
Gimlets, Making	Metal working	XXII	3A
Gimp	Textile manufactures	XXXIV	4
Girders	Civil engineering	VII	1
Girders, Making	Metal working	XXII	3A

Invention.	Class.	Number.	Sec.
Glass blowers	Glass manufactures	XIII	
Glass bottle holders	Glass manufactures	XIII	
Glass bottles	Glass manufactures	XIII	
Glass brick molds	Glass manufactures	XIII	
Glass buttons	Glass manufactures	XIII	
Glass cleaners	Household furniture	XVI	3
Glass coffins	Glass manufactures	XIII	
Glass, Composition for	Compositions	IX	
Glass-cutting instruments	Glass manufactures	XIII	
Glass furnaces	Glass manufactures	XIII	
Glass, Gilding	Metallurgy	XXI	
Glass holders	Household furniture	XVI	3
Glass-house pots	Glass manufactures	XIII	
Glass jars	Glass manufactures	XIII	
Glass leers	Glass manufactures	XIII	
Glass molds	Glass manufactures	XIII	
Glass, Platinizing	Metallurgy	XXI	
Glass pots for furnaces	Glass manufactures	XIII	
Glass pressing	Glass manufactures	XIII	
Glass, Silvering	Metallurgy	XXI	
Glass stoppers	Glass manufactures	XIII	
Glass tiles	Glass manufactures	XIII	
Glass tumblers	Glass manufactures	XIII	
Glaziers' diamonds	Glass manufactures	XIII	
Glaziers' diamonds, Setting	Fine arts	XI	1
Glazing bricks, &c	Clay manufacture	VIII	
Globes	Philosophical instruments	XXV	1
Globes, Geographical	Fine arts	XI	1
Glove fasteners	Wearing apparel	XXXIV	1
Gloves	Wearing apparel	XXXIV	1
Gloves, Knitting	Textile manufactures	XXXIV	4
Gloves, Machines for cutting out	Wearing apparel	XXXIV	3
Glove stretching machines	Wearing apparel	XXXIV	1
Glove turning machines	Wearing apparel	XXXIV	1
Glucose, Manufacture of	Chemical processes	VI	
Glue, Manufacture of	Chemical processes	VI	
Gold and silver ore, Chemical treatment of	Metallurgy	XXI	
Gold beating	Metal working	XXII	2A
Gongs	Builders' hardware	III	
Goniometers	Philosophical instruments	XXV	2
Gauges, Making	Metal working	XXII	3A
Governors	Steam and air engines	XXXI	
Governors, Cut-off	Steam and air engines	XXXI	
Governor valves	Steam and air engines	XXXI	
Grading scrapers	Civil engineering	VII	1
Graduated glasses	Philosophical instruments	XXV	2
Graduated measures	Philosophical instruments	XXV	2
Grafting implements	Agriculture	I	2
Grain binders	Harvesters	XV	
Grain bins	Agricultural products, (prep. of)	II	1
Grain cleaners	Agricultural products, (prep. of)	II	1
Grain conveyers for threshers	Agricultural products, (prep. of)	II	1
Grain cradles	Harvesters	XV	
Grain drills	Agriculture	I	1
Grain elevators	Mechanical engineering	XX	
Grain for distillation, Preparing	Chemical processes	VI	
Grain harvesters	Harvesters	XV	
Graining tools	Fine arts	XI	1
Graining wood	Fine arts	XI	1
Grain levellers in vessels	Navigation	XXIII	
Grain mills	Grinding mills	XIV	
Grain or gaveling forks	Harvesters	XV	
Grain rakes	Harvesters	XV	
Grain riddles	Agricultural products, (prep. of)	II	1

Invention.	Class.	Number.	Sec.
Grain screens.....	Agricultural products, (prep. of)	II	1
Grain separators.....	Agricultural products, (prep. of)	II	1
Grain tallies.....	Philosophical instruments.....	XXV	2
Grain weighers.....	Philosophical instruments.....	XXV	2
Grain winnowers.....	Agricultural products, (prep. of)	II	1
Granaries.....	Agricultural products, (prep. of)	II	1
Grape trellises.....	Agriculture.....	I	2
Grape vine protectors.....	Agriculture.....	1	2
Graphite, Preparation of.....	Chemical processes.....	VI	
Graphometers.....	Philosophical instruments.....	XXV	2
Grapnels.....	Navigation.....	XXIII	
Grappling irons.....	Navigation.....	XXIII	
Grass burners.....	Agriculture.....	I	2
Grass harvesters.....	Harvesters.....	XV	
Grass-seed separators.....	Agricultural products, (prep. of)	II	1
Grate-bars.....	Calorifics.....	IV	1
Graters for spices, &c.....	Household furniture.....	XVI	2
Grates.....	Calorifics.....	IV	1
Grating for windows.....	Civil engineering.....	VII	1
Gravers.....	Fine arts.....	XI	1
Graving docks.....	Civil engineering.....	VII	1
Grease cups.....	Hydraulics and pneumatics.....	XVII	
Grease from slush, Separating.....	Chemical processes.....	VI	
Griddles.....	Calorifics.....	IV	3
Gridirons.....	Calorifics.....	IV	3
Grinding beds of planes.....	Metal working.....	XXII	2B
Grinding calks of horse shoes, Machines for.....	Metal working.....	XXII	2B
Grinding cards.....	Metal working.....	XXII	2B
Grinding card teeth.....	Metal working.....	XXII	2B
Grinding circular saws.....	Metal working.....	XXII	2B
Grinding concave surfaces.....	Metal working.....	XXII	2B
Grinding cutlery.....	Metal working.....	XXII	2B
Grinding cutters of harvesters.....	Metal working.....	XXII	2B
Grinding cylinder saws.....	Metal working.....	XXII	2B
Grinding file blanks.....	Metal working.....	XXII	2B
Grinding glass.....	Glass manufacture.....	XIII	
Grinding hinges.....	Metal working.....	XXII	2B
Grinding metallic plates.....	Metal working.....	XXII	2B
Grinding nail-machine cutters.....	Metal working.....	XXII	2B
Grinding plow castings.....	Metal working.....	XXII	2B
Grinding runners of skates.....	Metal working.....	XXII	2B
Grinding scythes.....	Metal working.....	XXII	2B
Grinding shot and shell.....	Metal working.....	XXII	2B
Grinding, Tool-holders for.....	Metal working.....	XXII	2B
Grindstones.....	Metal working.....	XXII	2B
Grindstones, Artificial.....	Compositions.....	IX	
Grommets.....	Navigation.....	XXIII	
Grooving machines for sheet metal.....	Metal working.....	XXII	2B
Grubbing harrows.....	Agriculture.....	I	1
Grubbing hoes.....	Agriculture.....	I	1
Grubbing machines.....	Agriculture.....	I	1
Guano treating.....	Chemical processes.....	VI	
Guard fingers for harvesters.....	Harvesters.....	XV	
Guards for locks.....	Fire-arms.....	XII	1
Guards for triggers.....	Fire-arms.....	XII	1
Guitars.....	Fine arts.....	XI	1
Gullet hooks.....	Leather manufactures.....	XIX	2
Gums, Artificial.....	Surgical apparatus.....	XXXIII	
Gums, Composition for artificial.....	Compositions.....	IX	
Gun barrels, Boring.....	Metal working.....	XXII	2A
Gun barrels, Rifling.....	Metal working.....	XXII	2A
Gun barrels, Rolling.....	Metal working.....	XXII	2A
Gun barrels, Straightening.....	Metal working.....	XXII	2A
Gun barrels, Turning.....	Metal working.....	XXII	2A

Invention.	Class.	Number.	Sec.
Gun carriages	Fire-arms	XII	1
Gun chassis	Fire-arms	XII	1
Gun cotton, Manufacture of	Chemical processes	VI	
Gun hammers	Fire-arms	XII	1
Gun hammers, Making	Metal working	XXII	3A
Gun hammers, Self-priming	Fire-arms	XII	1
Gun locks	Fire-arms	XII	1
Gunpowder	Compositions	IX	
Gunpowder, Drying	Chemical processes	VI	
Gunpowder engines	Steam and air engines	XXXI	
Gunpowder, Glazing	Chemical processes	VI	
Gunpowder, Manufacture of	Chemical processes	VI	
Gunpowder mills	Grinding mills	XIV	
Gunpowder, Pressing	Chemical processes	VI	
Gun scrapers	Fire-arms	XII	1
Gun stocks	Fire-arms	XII	1
Gun stocks, Machines for making	Wood working	XXXVI	1
Gun wads	Fire-arms	XII	2
Gun wipers	Fire-arms	XII	1
Gun worms	Fire-arms	XII	1
Gutter cleaners	Civil engineering	VII	1
Gutters	Civil engineering	VII	2
Gutters, Machines for making wooden	Wood working	XXXVI	1
Gymnastic apparatus	Sports, games, and toys	XXX	
H.			
Hackling machines	Agricultural products, (prep. of)	II	2
Hair cleaning	Agricultural products, (prep. of)	II	2
Hair crimpers	Wearing apparel	XXXV	2
Hair curlers	Wearing apparel	XXXV	2
Hair-cutting machines	Wearing apparel	XXXV	2
Hair dyes	Compositions	IX	
Hair picking	Agricultural products, (prep. of)	II	2
Hair pins	Wearing apparel	XXXV	2
Hair restoratives	Compositions	IX	
Hair trimmings	Wearing apparel	XXXV	2
Halters	Leather manufactures	XIX	3
Hame fasteners	Leather manufactures	XIX	3
Hames	Leather manufactures	XIX	3
Hammers, Blacksmiths' machine	Metal working	XXII	2A
Hammers, Claw	Wood working	XXXVI	2
Hammers, Drop	Metal working	XXII	2A
Hammers, Gun	Fire-arms	XII	1
Hammers, Making	Metal working	XXII	2A
Hammers, Pneumatic	Metal working	XXII	2A
Hammers, Revolving	Metal working	XXII	2A
Hammers, Safety guard for gun	Fire-arms	XII	1
Hammers, Steam	Metal working	XXII	2A
Hammers, Steam engines for	Steam and air engines	XXXI	
Hammers, Trip	Metal working	XXII	2A
Hammocks	Household furniture	XVI	1
Hampers	Household furniture	XVI	3
Hand barrows	Carriages	V	
Hand bearers	Carriages	V	
Handcuffs	Builders' hardware	III	
Hand grenades	Fire-arms	XII	2
Handles for canes	Wearing apparel	XXXV	4
Handles for sad irons, Casting	Metal working	XXII	1B
Handles for tea and coffee pots	Metal working	XXII	3B
Handles for umbrellas	Wearing apparel	XXXV	4
Handles, Machines for making broom, scythe, shovel, chisel, whip, plow, &c.	Wood working	XXXVI	1
Hand stamps	Printing and stationery	XXVII	1

Invention.	Class.	Number.	Sec.
Hand trucks.....	Carriages.....	V	
Hangers for lamps.....	Illumination.....	XVIII	
Hangers for shafting.....	Mechanical engineering.....	XX	
Hanging carriage bodies.....	Carriages.....	V	
Hanging grindstones.....	Metal working.....	XXII	2B
Hanging shelves.....	Household furniture.....	XVI	1
Hanks for sails.....	Navigation.....	XXIII	
Harbor defences.....	Civil engineering.....	VII	1
Harbors.....	Civil engineering.....	VII	1
Harmoniums.....	Fine arts.....	XI	1
Harness for looms.....	Textile manufactures.....	XXXIV	3
Harness from horses, Detaching.....	Leather manufactures.....	XIX	3
Harness hooks.....	Leather manufactures.....	XIX	3
Harness, Machines for making.....	Textile manufactures.....	XXXIV	3
Harnessmakers' tools.....	Leather manufactures.....	XIX	3
Harness mountings.....	Leather manufactures.....	XIX	3
Harness pads.....	Leather manufactures.....	XIX	3
Harness reins, Machines for rounding..	Leather manufactures.....	XIX	3
Harness wardrobes.....	Leather manufactures.....	XIX	3
Harpoons.....	Sports, games, and toys.....	XXX	
Harpoons, Gun.....	Fire-arms.....	XII	2
Harps.....	Fine arts.....	XI	1
Harrows.....	Agriculture.....	I	1
Harrows, Rotary.....	Agriculture.....	I	1
Harrows, Teeth for.....	Agriculture.....	I	1
Harvester cutter bars, Making.....	Metal working.....	XXII	3A
Harvester gearing.....	Mechanical engineering.....	XX	
Harvester guard fingers, Making.....	Metal working.....	XXII	2A
Harvester pitmans.....	Mechanical engineering.....	XX	
Harvesters, Bean.....	Harvesters.....	XV	
Harvesters, Binding attachments for.....	Harvesters.....	XV	
Harvesters, Cane.....	Harvesters.....	XV	
Harvesters, Cloverseed.....	Harvesters.....	XV	
Harvesters, Corn.....	Harvesters.....	XV	
Harvesters, Cutting apparatus for.....	Harvesters.....	XV	
Harvesters, Dropping platforms for.....	Harvesters.....	XV	
Harvesters, Dumping reels for.....	Harvesters.....	XV	
Harvesters, Fingers for.....	Harvesters.....	XV	
Harvesters, Gaveling attachments for.....	Harvesters.....	XV	
Harvesters, Grain.....	Harvesters.....	XV	
Harvesters, Grass.....	Harvesters.....	XV	
Harvesters, Guard fingers for.....	Harvesters.....	XV	
Harvesters, Hemp.....	Harvesters.....	XV	
Harvesters, Pitmans for.....	Mechanical engineering.....	XX	
Harvesters, Rakes for.....	Harvesters.....	XV	
Harvesters, Reels for.....	Harvesters.....	XV	
Harvester teeth, Making.....	Metal working.....	XXII	3A
Hat and coat hooks.....	Builders' hardware.....	III	
Hat and coat racks.....	Household furniture.....	XVI	1
Hat-blocking machines.....	Felting and hat making.....	X	1
Hat blocks.....	Felting and hat making.....	X	1
Hat bodies.....	Felting and hat making.....	X	2
Hat bodies, Forming.....	Felting and hat making.....	X	1
Hat bodies, Hardening.....	Felting and hat making.....	X	1
Hat bodies, Napping.....	Felting and hat making.....	X	1
Hat boxes, Leather.....	Leather manufacture.....	XIX	4
Hat-brushing machines.....	Felting and hat making.....	X	1
Hat conformators.....	Felting and hat making.....	X	1
Hat frames.....	Felting and hat making.....	X	1
Hat-ironing machines.....	Felting and hat making.....	X	1
Hat measures.....	Felting and hat making.....	X	1
Hat protectors.....	Felting and hat making.....	X	1
Hats.....	Felting and hat making.....	X	1
Hats, Cork.....	Felting and hat making.....	X	2
Hats, Dies for pressing.....	Felting and hat making.....	X	1

Invention.	Class.	Number.	Sec.
Hats, Embossed	Felting and hat making	X	2
Hats, Embossing	Felting and hat making	X	1
Hats, Felt and fur	Felting and hat making	X	2
Hats, Finishing	Felting and hat making	X	1
Hat-shaping machines	Felting and hat making	X	1
Hat-shrinking machines	Felting and hat making	X	1
Hat-sizing machines	Felting and hat making	X	1
Hats, Leather	Felting and hat making	X	2
Hats, Paper	Felting and hat making	X	2
Hats, Perforating	Felting and hat making	X	1
Hats, Planking	Felting and hat making	X	1
Hats, Pouncing	Felting and hat making	X	1
Hats, Pressing	Felting and hat making	X	1
Hats, Spring-brim	Felting and hat making	X	2
Hats, Raising naps of	Felting and hat making	X	1
Hats, Sweat-leathers for	Felting and hat making	X	2
Hat-stiffening composition	Compositions	IX	
Hat-stiffening machines	Felting and hat making	X	1
Hat-stretching machines	Felting and hat making	X	1
Hat supporters	Felting and hat making	X	2
Hats, Weaving	Textile manufactures	XXXIV	3
Hat ventilators	Felting and hat making	X	2
Haversacks	Leather manufactures	XIX	4
Hawse pipes	Navigation	XXIII	
Hawsers	Navigation	XXIII	
Hay caps	Harvesters	XV	
Hay forks, Hand	Agriculture	I	2
Hay forks, Horse	Harvesters	XV	
Hay knives	Agricultural products, (prep. of)	II	2
Hay loaders	Harvesters	XV	
Hay racks	Agricultural products, (prep. of)	II	2
Hay rakers and cockers	Harvesters	XV	
Hay rakers and loaders	Harvesters	XV	
Hay rakes, Hand	Agriculture	I	2
Hay rakes, Horse	Harvesters	XV	
Hay presses	Presses	XXVI	
Hay spreaders	Harvesters	XV	
Hay tedders	Harvesters	XV	
Head dresses	Wearing apparel	XXXV	2
Heading machines, Grain	Harvesters	XV	
Head lights, Locomotive	Illumination	XVIII	
Head rests	Household furniture	XVI	1
Head rests, Photographic	Fine arts	XI	1
Heads, Cutter	Wood working	XXXVI	2
Heads for nails and screws	Builders' hardware	III	
Hearses	Carriages	V	
Heaters	Calorifics	IV	1
Heaters, Electrical	Philosophical instruments	XXV	3
Heaters for railroad and street cars	Calorifics	IV	1
Heaters, Hot water	Calorifics	IV	1
Heaters, Steam	Calorifics	IV	1
Heating irons	Calorifics	IV	1
Heating skates, boots, &c.	Calorifics	IV	1
Heddles	Textile manufactures	XXXIV	3
Hedge planters	Agriculture	I	1
Hedge-trimming machines	Harvesters	XV	
Heel irons	Leather manufactures	XIX	2
Heel-polishing machines	Leather manufactures	XIX	2
Heel protectors	Leather manufactures	XIX	2
Heel shaves	Leather manufactures	XIX	2
Heels, Machines for cutting	Leather manufactures	XIX	2
Heels, Machines for dressing	Leather manufactures	XIX	2
Heel stiffeners	Leather manufactures	XIX	2
Heel-trimming machines	Leather manufactures	XIX	2
Helices, Electrical	Philosophical instruments	XXV	3

Invention.	Class.	Number.	Sec. .
Heliometers.....	Philosophical instruments.....	XXV	2
Heliostats.....	Philosophical instruments.....	XXV	1
Heliotropes.....	Philosophical instruments.....	XXV	1
Hemmers.....	Sewing machines.....	XXIX	
Hemmers, Hand.....	Wearing apparel.....	XXXV	2
Hemorrhage, Instruments for arresting.....	Surgical apparatus.....	XXXIII	
Hemp and flax, Rotting.....	Agricultural products, (prep. of).....	II	1
Hemp brakes.....	Agricultural products, (prep. of).....	II	1
Hemp harvesters.....	Harvesters.....	XV	
Hens' nests.....	Agricultural products, (prep. of).....	II	2
Herbariums.....	Fine arts.....	XI	1
Hernia, Instruments for treating.....	Surgical apparatus.....	XXXIII	
Hewing stone.....	Stone working.....	XXXII	
Hides, Dressing.....	Chemical processes.....	VI	
Hinges.....	Builders' hardware.....	III	
Hinges, Blind.....	Builders' hardware.....	III	
Hinges, Casting.....	Metal working.....	XXII	1B
Hinges, Gate.....	Builders' hardware.....	III	
Hinges, Loose-joint.....	Builders' hardware.....	III	
Hinges, Making.....	Metal working.....	XXII	3A
Hinges, Self-shutting.....	Builders' hardware.....	III	
Hinges, Spring.....	Builders' hardware.....	III	
Hitching devices.....	Leather manufactures.....	XIX	3
Hitching posts.....	Leather manufactures.....	XIX	3
Hobby-horses.....	Sports, games, and toys.....	XXX	
Hod elevators.....	Mechanical engineering.....	XX	
Hods.....	Civil engineering.....	VII	2
Hoeing machines.....	Agriculture.....	I	1
Hoes.....	Agriculture.....	I	1
Hoes, Horse.....	Agriculture.....	I	1
Hoes, Making.....	Metal working.....	XXII	3A
Hog elevators.....	Agricultural products, (prep. of).....	II	2
Hog pens.....	Agricultural products, (prep. of).....	II	2
Hog-ringing devices.....	Agricultural products, (prep. of).....	II	2
Hog-slaughtering apparatus.....	Agricultural products, (prep. of).....	II	2
Hog troughs.....	Agricultural products, (prep. of).....	II	2
Hoisting apparatus.....	Mechanical engineering.....	XX	
Hoisting boats.....	Navigation.....	XXIII	
Hold backs.....	Carriages.....	V	
Hollow glassware.....	Glass manufactures.....	XIII	
Hollow ware, Casting.....	Metal working.....	XXII	1B
Holsters.....	Leather manufactures.....	XIX	4
Hominy machines.....	Grinding mills.....	XIV	
Hones.....	Metal working.....	XXII	2B
Hones, Magnetic.....	Philosophical instruments.....	XXV	3
Hoods.....	Wearing apparel.....	XXXV	1
Hoof-spreaders.....	Metal working.....	XXII	3B
Hooks and eyes.....	Wearing apparel.....	XXXV	1
Hooks and eyes, Cards for.....	Wearing apparel.....	XXXV	1
Hooks and eyes, Making.....	Metal working.....	XXII	3A
Hooks and eyes to cards, Attaching.....	Metal working.....	XXII	3A
Hooks, Bench.....	Wood working.....	XXXVI	2
Hooks, Fish.....	Sports, games, and toys.....	XXX	
Hooks, Making.....	Metal working.....	XXII	3A
Hooks, Mousing.....	Leather manufactures.....	XIX	3
Hooks, Shutter.....	Builders' hardware.....	III	
Hooks, Snap.....	Leather manufactures.....	XIX	3
Hoop locks.....	Presses.....	XXVI	
Hoop skirt formers.....	Wearing apparel.....	XXXV	3
Hoop skirts, Machines for clasping spangles to.....	Wearing apparel.....	XXXV	3
Hoop skirts, Machines for covering wire for.....	Wearing apparel.....	XXXV	3
Hoop skirts, Machines for making.....	Wearing apparel.....	XXXV	3

Invention.	Class.	Number.	Sec.
Hoop skirts, Machines for marking wire for	Wearing apparel.....	XXXV	3
Hoop skirts, Machines for sizing wire for	Wearing apparel.....	XXXV	3
Hoops, Machines for bending	Wood working	XXXVI	1
Hoops, Machines for cutting	Wood working	XXXVI	1
Hoops, Machines for dressing	Wood working	XXXVI	1
Hoops, Machines for sawing	Wood working	XXXVI	1
Hoops, Machines for splitting	Wood working	XXXVI	1
Hoops, Metallic.....	Metal working.....	XXII	2A
Hoop strainers	Presses	XXVI	
Hop backs	Chemical processes.....	VI	
Hop frames.....	Agriculture	I	2
Hopples.....	Leather manufactures	XIX	3
Hop-pole extractors	Agricultural products, (prep. of)	II	2
Hops, Extracts of.....	Compositions.....	IX	
Horizons, Artificial.....	Philosophical instruments	XXV	2
Horn, Artificial	Compositions.....	IX	
Horological instruments.....	Philosophical instruments.....	XXV	2
Horse blankets.....	Leather manufactures	XIX	3
Horse-hair fabrics	Textile manufactures.....	XXXIV	3
Horse powers.....	Mechanical engineering	XX	
Horse powers, Endless chains for	Mechanical engineering	XX	
Horse powers, Links for	Mechanical engineering	XX	
Horse powers, Treads for	Mechanical engineering	XX	
Horse protectors	Leather manufactures	XIX	3
Horseshoe blanks, Making	Metal working.....	XXII	3A
Horseshoe nails, Making.....	Metal working.....	XXII	3A
Horseshoes.....	Metal working.....	XXII	3B
Horseshoes, Adjustable.....	Metal working.....	XXII	3B
Horseshoes, Adjustable calks for.....	Metal working.....	XXII	3B
Horseshoes, Casting.....	Metal working.....	XXII	1B
Horseshoes, Making.....	Metal working.....	XXII	3A
Horseshoes, Protecting shields or plates for.....	Metal working.....	XXII	3B
Horseshoes, Snow pads for.....	Metal working.....	XXII	3B
Horse washers	Leather manufactures	XIX	4
Horse yokes	Leather manufactures	XIX	3
Hose carriages.....	Carriages	V	
Hose, Composition for making	Compositions.....	IX	
Hose couplings	Hydraulics and pneumatics.....	XVII	
Hose, Leather	Leather manufactures	XIX	4
Hose mending	Hydraulics and pneumatics.....	XVII	
Hose nozzles	Hydraulics and pneumatics.....	XVII	
Hose pipes	Hydraulics and pneumatics.....	XVII	
Hot-bed frames	Agriculture	I	2
Hour glasses.....	Philosophical instruments.....	XXV	1
Howeling tools	Wood working	XXXVI	2
Hubs, Carriage	Carriages	V	
Hubs, Machines for boring	Wood working	XXXVI	1
Hubs, Machines for centering.....	Wood working	XXXVI	1
Hubs, Machines for mortising.....	Wood working	XXXVI	1
Hubs, Machines for setting boxes in.....	Wood working	XXXVI	1
Hubs, Machines for turning.....	Wood working	XXXVI	1
Hullers for clover, &c.....	Grinding mills.....	XIV	1
Hulling machines	Grinding mills.....	XIV	
Huskers, Corn.....	Agricultural products, (prep. of)	II	1
Husking gloves.....	Agricultural products, (prep. of)	II	1
Husking pins.....	Agricultural products, (prep. of)	II	1
Husks for mattresses, Splitting	Agricultural products, (prep. of)	II	1
Hydrant-pipe stops.....	Hydraulics and pneumatics.....	XVII	
Hydrants	Hydraulics and pneumatics.....	XVII	
Hydrants, Cocks for.....	Hydraulics and pneumatics.....	XVII	
Hydrants, Filtering	Hydraulics and pneumatics.....	XVII	
Hydrants, Waste for.....	Hydraulics and pneumatics.....	XVII	

Invention.	Class.	Number.	Sec.
Hydrant valves	Hydraulics and pneumatics....	XVII	
Hydraulic buffers	Hydraulics and pneumatics....	XVII	
Hydraulic elevators	Hydraulics and pneumatics....	XVII	
Hydraulic engines	Hydraulics and pneumatics....	XVII	
Hydraulic jacks	Hydraulics and pneumatics....	XVII	
Hydraulic mining	Civil engineering	VII	1
Hydraulic motors	Hydraulics and pneumatics....	XVII	
Hydraulic presses	Hydraulics and pneumatics....	XVII	
Hydraulic rams	Hydraulics and pneumatics....	XVII	
Hydro-carbon, Burners for heating....	Calorifics	IV	1
Hydro-carbons, Manufacture of	Chemical processes	VI	
Hydro-electric machines	Philosophical instruments....	XXV	3
Hydrometers for any liquid	Philosophical instruments....	XXV	2
Hydrostatic balances	Philosophical instruments....	XXV	2
Hydrostatic steam engines	Steam and air engines	XXXI	
Hygrometers	Philosophical instruments....	XXV	2
Hypsometers	Philosophical instruments....	XXV	2
I.			
Ice boats	Navigation	XXIII	
Ice, Boats for sailing on	Carriages	V	
Ice boxes	Household furniture	XVI	2
Ice breakers	Navigation	XXIII	
Ice cars	Carriages	V	
Ice chairs and carriages	Carriages	V	
Ice-cream freezers	Household furniture	XVI	2
Ice creepers	Leather manufactures	XIX	4
Ice crushers	Household furniture	XVI	2
Ice cutters	Agricultural products, (prep. of)	II	2
Ice freezers, Water	Household furniture	XVI	2
Ice leveling and smoothing	Agricultural products, (prep. of)	II	2
Ice, Manufacture of	Chemical processes	VI	
Ice picks and breakers	Household furniture	XVI	2
Ice pitchers	Metal working	XXII	3B
Ice plows	Agricultural products, (prep. of)	II	2
Ice safes and chests	Household furniture	XVI	2
Ice sandals	Leather manufactures	XIX	2
Ice shavers	Household furniture	XVI	2
Illuminating clocks	Illumination	XVIII	
Illuminating signs	Illumination	XVIII	
Inarching	Agriculture	I	2
Incendiary compounds	Compositions	IX	
Incendiary shells	Fire-arms	XII	2
Inclined planes for canals	Civil engineering	VII	1
Inclinometers	Philosophical instruments....	XXV	2
Incrustation of boilers, Composition for preventing	Compositions	IX	
Incrustation of boilers, Composition for removing	Compositions	IX	
Incrustations, Devices for removing...	Steam and air engines	XXXI	
Incubators	Agricultural products, (prep. of)	II	2
Indexing	Printing and stationery	XXVII	1
Indicators	Philosophical instruments....	XXV	1
Indicators for doors	Philosophical instruments....	XXV	1
Indicators, Leak	Navigation	XXIII	
Indicators, Shoal	Navigation	XXIII	
Indicators, Station	Philosophical instruments....	XXV	1
Indicators, Street	Philosophical instruments....	XXV	1
Indicators, Time	Philosophical instruments....	XXV	1
Indicators, Tourists'	Philosophical instruments....	XXV	1
Indicators, Water	Steam and air engines	XXXI	
Indicators, Weather	Philosophical instruments....	XXV	1
Induction apparatus	Philosophical instruments....	XXV	3
Inhalation instruments	Surgical apparatus	XXXIII	

Invention.	Class.	Number.	Sec.
Injectors, Boiler.....	Steam and air engines.....	XXXI	
Ink, Indelible.....	Compositions.....	IX	
Inking apparatus.....	Printing and stationery.....	XXVII	1
Inking rollers, Composition for.....	Compositions.....	IX	
Ink, Printers'.....	Compositions.....	IX	
Ink-stains, Composition for removing..	Compositions.....	IX	
Inkstands.....	Printing and stationery.....	XXVII	2
Inkstands, Rubber.....	Printing and stationery.....	XXVII	2
Ink, Writing.....	Compositions.....	IX	
Inlets to sewers.....	Civil engineering.....	VII	1
Insect-destroying devices.....	Agricultural products, (prep. of)	II	2
Insects, Composition for destroying..	Compositions.....	IX	
Insect traps.....	Household furniture.....	XVI	3
Insoles.....	Leather manufactures.....	XIX	2
Instruments for parting hair.....	Wearing apparel.....	XXXV	2
Insulated wire.....	Philosophical instruments.....	XXV	3
Insulators.....	Philosophical instruments.....	XXV	3
Interfering, Devices to prevent.....	Leather manufactures.....	XIX	2
Intermittent gearing.....	Mechanical engineering.....	XX	
Iron blocks, Nautical.....	Navigation.....	XXIII	
Iron-clad vessels.....	Navigation.....	XXIII	
Iron, Composition for hardening.....	Compositions.....	IX	
Iron frames.....	Navigation.....	XXIII	
Ironing apparatus.....	Calorifics.....	IV	1
Ironing machines, Hosiery.....	Wearing apparel.....	XXXV	3
Ironing machines, Tailors'.....	Wearing apparel.....	XXXV	3
Iron ribs.....	Navigation.....	XXXIII	
Irons for calash tops.....	Carriages.....	V	
Irons for carriages.....	Carriages.....	V	
Irons for carriages, Setting.....	Carriages.....	V	
Iron vessels.....	Navigation.....	XXIII	
Irrigating apparatus.....	Hydraulics and pneumatics.....	XVII	
Irrigating carts.....	Hydraulics and pneumatics.....	XVII	
Ivory, Artificial.....	Compositions.....	IX	
Ivory cutting.....	Wood working.....	XXXVI	2
J.			
Jacks.....	Mechanical engineering.....	XX	
Jacks, Boot.....	Leather manufactures.....	XIX	2
Jacks for railroad cars, Swing.....	Mechanical engineering.....	XX	
Jacks, Hydraulic.....	Hydraulics and pneumatics.....	XVII	
Jacks, Pegging.....	Leather manufactures.....	XIX	2
Jacks, Screw.....	Mechanical engineering.....	XX	
Jacks, Spinning.....	Textile manufactures.....	XXXIV	2
Jacks, Wagon.....	Mechanical engineering.....	XX	
Jacquard apparatus.....	Textile manufactures.....	XXXIV	3
Jail walls.....	Civil engineering.....	VII	2
Japanning.....	Fine arts.....	XI	1
Jars, Earthen.....	Clay manufactures.....	XIII	
Jars, Glass.....	Glass manufactures.....	VIII	
Jars, Sealing fruit.....	Household furniture.....	XVI	3
Jaws for gaffs.....	Navigation.....	XXHI	
Jewel boxes.....	Wearing apparel.....	XXXV	2
Jewelry.....	Fine arts.....	XI	1
Jewels, Cutting.....	Glass manufactures.....	XIII	
Joiners' tools.....	Wood working.....	XXXVI	2
Joinery.....	Civil engineering.....	VII	2
Joists, Machines for dressing.....	Wood working.....	XXXVI	1
Journal bearings, Composition for....	Compositions.....	IX	
Journal boxes.....	Mechanical engineering.....	XX	
Journals and bearings.....	Mechanical engineering.....	XX	

Invention.	Class.	Number.	Sec.
K.			
Kaleidoscopes	Philosophical instruments.....	XXV	1
Kaolin, Purifying.....	Chemical processes.....	VI	
Keels	Navigation.....	XXIII	
Keelsons	Navigation.....	XXIII	
Keepers for lock-bolts.....	Builders' hardware.....	III	
Key-boards, Telegraphic	Philosophical instruments.....	XXV	3
Key fasteners.....	Builders' hardware.....	III	
Keyhole guards.....	Builders' hardware.....	III	
Keyhole guides.....	Builders' hardware.....	III	
Keys.....	Builders' hardware.....	III	
Keys, Dental.....	Surgical apparatus.....	XXXIII	
Key seats, Cutting.....	Metal working.....	XXII	2A
Keys, Telegraph	Philosophical instruments.....	XXV	3
Kilns, Brick and lime.....	Clay manufactures.....	VIII	
Kilns for charcoal.....	Calorifics.....	IV	1
Kilns for drying grain, &c.....	Calorifics.....	IV	1
Kitchen safes.....	Household furniture.....	XVI	2
Knapsacks	Leather manufacture.....	XIX	4
Knapsack slings.....	Leather manufacture.....	XIX	4
Kneading machines.....	Household furniture.....	XVI	2
Knee formers.....	Navigation.....	XXIII	
Knees.....	Navigation.....	XXIII	
Knee swells for cabinet organs.....	Fine arts.....	XI	1
Knife cleaners.....	Household furniture.....	XVI	3
Knife racks.....	Household furniture.....	XVI	3
Knives.....	Metal working.....	XXII	3B
Knives, Amputating.....	Metal working.....	XXII	3B
Knives and forks combined.....	Metal working.....	XXII	3B
Knives and spoons combined.....	Metal working.....	XXII	3B
Knives, Attaching handles to	Metal working.....	XXII	3B
Knives, Bread.....	Metal working.....	XXII	3B
Knives, Budding.....	Metal working.....	XXII	3B
Knives, Butcher.....	Metal working.....	XXII	3B
Knives, Cane.....	Metal working.....	XXII	3B
Knives, Carving.....	Metal working.....	XXII	3B
Knives, Corn.....	Metal working.....	XXII	3B
Knives, Curriers'.....	Metal working.....	XXII	3B
Knives, Dirk.....	Metal working.....	XXII	3B
Knives, Drawing.....	Wood working.....	XXXVI	2
Knives for cutting corn from the cob.....	Metal working.....	XXII	3B
Knives, Fruit.....	Metal working.....	XXII	3B
Knives, Grafting.....	Metal working.....	XXII	3B
Knives, Handles for.....	Metal working.....	XXII	3B
Knives, Hay.....	Agricultural products, (prep. of)	II	2
Knives, Machete.....	Metal working.....	XXII	3B
Knives, Meat.....	Metal working.....	XXII	3B
Knives, Oyster.....	Metal working.....	XXII	3B
Knives, paring, Hoof.....	Metal working.....	XXII	3B
Knives, Pocket.....	Metal working.....	XXII	3B
Knives, Pruning.....	Metal working.....	XXII	3B
Knives, Shoe.....	Metal working.....	XXII	3B
Knitted goods.....	Textile manufactures.....	XXXIV	4
Knitting burrs, Making.....	Metal working.....	XXII	3A
Knitting machines.....	Textile manufactures.....	XXXIV	4
Knitting machines, Burrs for.....	Textile manufactures.....	XXXIV	4
Knitting machines, Needles for.....	Textile manufactures.....	XXXIV	4
Knitting needles, Making	Metal working.....	XXII	3A
Knob fasteners.....	Builders' hardware.....	III	
Knob latches.....	Builders' hardware.....	III	
Knobs, Door.....	Builders' hardware.....	III	
Knobs to spindles, Attaching.....	Builders' hardware.....	III	
Knuckle shields for scrubbing.....	Household furniture.....	XVI	3

Invention.	Class.	Number.	Sec.
L.			
Label fasteners.....	Printing and stationery.....	XXVII	2
Labels.....	Printing and stationery.....	XXVII	2
Labels, Adhesive.....	Printing and stationery.....	XXVII	2
Lace machines.....	Textile manufactures.....	XXXIV	4
Lacing, Machines for making leather shoe.....	Leather manufactures.....	XIX	2
Lacquers.....	Compositions.....	IX	
Lactometers.....	Philosophical instruments.....	XXV	2
Ladders.....	Civil engineering.....	VII	1
Ladders, Extension.....	Civil engineering.....	VII	1
Ladders, Fire.....	Civil engineering.....	VII	1
Ladders, Garden.....	Civil engineering.....	VII	1
Ladders, Step.....	Civil engineering.....	VII	1
Ladies figure stands.....	Wearing apparel.....	XXXV	3
Ladles, Pouring.....	Metal working.....	XXII	1B
Ladling glass.....	Glass manufactures.....	XIII	
Lamp chimney adjusters.....	Illumination.....	XVIII	
Lamp chimney cleaners.....	Household furniture.....	XVI	3
Lamp chimneys.....	Illumination.....	XVIII	
Lamp cones.....	Illumination.....	XVIII	
Lamp elevators.....	Illumination.....	XVIII	
Lamp fountains.....	Glass manufactures.....	XIII	
Lamp posts.....	Illumination.....	XVIII	
Lamps.....	Illumination.....	XVIII	
Lamps, Electrical.....	Philosophical instruments.....	XXV	3
Lamp shade holders.....	Illumination.....	XVIII	
Lamp shades.....	Illumination.....	XVIII	
Lamps, Miners'.....	Illumination.....	XVIII	
Lamp stands.....	Illumination.....	XVIII	
Lamps, Vapor.....	Illumination.....	XVIII	
Lamp-wick adjusters.....	Illumination.....	XVIII	
Lamp-wick extinguishers.....	Illumination.....	XVIII	
Lamp wicks.....	Illumination.....	XVIII	
Lamp-wick scissors.....	Metal working.....	XXII	3B
Lamp-wick trimmers.....	Illumination.....	XVIII	
Lancets.....	Metal working.....	XXII	3B
Land-paring machines.....	Agriculture.....	I	1
Lanterns.....	Illumination.....	XVIII	
Lanterns, Signal.....	Philosophical instruments.....	XXV	1
Lapidary's wheels.....	Glass manufactures.....	XVIII	
Lapping machines.....	Textile manufactures.....	XXXIV	1
Lap shavers.....	Leather manufactures.....	XIX	2
Lard coolers.....	Chemical processes.....	VI	
Lard presses.....	Presses.....	XXVI	
Lard renderers.....	Chemical processes.....	VI	
Lard squeezers.....	Household furniture.....	XVI	2
Lassoos.....	Leather manufactures.....	XIX	3
Last holders.....	Leather manufactures.....	XIX	2
Lasting machines.....	Leather manufactures.....	XIX	3
Lasts.....	Leather manufactures.....	XIX	2
Lasts, Machines for cutting.....	Wood working.....	XXXVI	1
Lasts, Machines for making.....	Wood working.....	XXXVI	1
Lasts, Machines for polishing.....	Wood working.....	XXXVI	1
Lasts, Machines for turning.....	Wood working.....	XXXVI	1
Lasts, Toe pieces for.....	Leather manufactures.....	XIX	2
Latches.....	Builders' hardware.....	III	
Latches, Reversible.....	Builders' hardware.....	III	
Lathe chucks.....	Metal working.....	XXII	2A
Lathe dogs.....	Metal working.....	XXII	2A
Lathe rests.....	Metal working.....	XXII	2A
Lathes.....	Metal working.....	XXII	2A
Lathes, Attachment for wood-turning.....	Wood working.....	XXXVI	1
Lathes, Automatic wood-turning.....	Wood working.....	XXXVI	1

Invention.	Class.	Number.	Sec.
Lathes for turning irregular forms.....	Metal working.....	XXII	2A
Lathes for turning screw taps.....	Metal working.....	XXII	2A
Lathes for turning shells.....	Metal working.....	XXII	2A
Lathes for turning pulleys.....	Metal working.....	XXII	2A
Lathes, Watchmakers'.....	Metal working.....	XXII	2A
Lathes, Wood-turning.....	Wood working.....	XXXVI	1
Lathe way-smoother.....	Metal working.....	XXII	2B
Lathing.....	Civil engineering.....	VII	2
Laths, Metallic.....	Civil engineering.....	VII	2
Latitude, Instruments for determining.....	Philosophical instruments.....	XXV	2
Launching vessels.....	Civil engineering.....	VII	1
Laundries.....	Household furniture.....	XVI	3
Lawn mowers.....	Harvesters.....	XV	
Layering.....	Agriculture.....	I	1
Laying submarine cables.....	Civil engineering.....	VII	1
Lazy jacks for vessels' sails.....	Navigation.....	XXIII	
Lead, Compounds of.....	Compositions.....	IX	
Lead pipe, Lining.....	Metal working.....	XXII	3A
Lead pipe, Making.....	Metal working.....	XXII	3A
Leather, Artificial.....	Chemical processes.....	VI	
Leather-boarding machines.....	Leather manufactures.....	XIX	1
Leather-chamfering machines.....	Leather manufactures.....	XIX	1
Leather cloth.....	Chemical processes.....	VI	
Leather, Composition for dressing.....	Compositions.....	IX	
Leather, Compounds for tanning.....	Compositions.....	IX	
Leather, Compounds of waste.....	Compositions.....	IX	
Leather-corrugating machines.....	Leather manufactures.....	XIX	1
Leather-creasing machines.....	Leather manufactures.....	XIX	1
Leather-cutting machines.....	Leather manufactures.....	XIX	1
Leather-dressing machines.....	Leather manufactures.....	XIX	1
Leather-embossing machines.....	Leather manufactures.....	XIX	1
Leather, Enameling.....	Chemical processes.....	VI	
Leather-gluing machines.....	Leather manufactures.....	XIX	1
Leather-hammering machines.....	Leather manufactures.....	XIX	1
Leather, Japanning.....	Chemical processes.....	VI	
Leather, Manufacture of.....	Chemical processes.....	VI	
Leather-piercing machines.....	Leather manufactures.....	XIX	1
Leather-pressing machines.....	Leather manufactures.....	XIX	1
Leather punches.....	Metal working.....	XXII	3B
Leather punching machines.....	Leather manufactures.....	XIX	1
Leather quilting machines.....	Leather manufactures.....	XIX	1
Leather rings, Tools for cutting.....	Leather manufactures.....	XIX	1
Leather-rounding machines.....	Leather manufactures.....	XIX	1
Leather-scalloping machines.....	Leather manufactures.....	XIX	1
Leather-skiving machines.....	Leather manufactures.....	XIX	1
Leather-sorting machines.....	Leather manufactures.....	XIX	1
Leather-splitting machines.....	Leather manufactures.....	XIX	1
Leather straps.....	Leather manufactures.....	XIX	1
Leather-stretching machines.....	Leather manufactures.....	XIX	1
Leather-stripping machines.....	Leather manufactures.....	XIX	1
Leather tubs, Machines for making.....	Leather manufactures.....	XIX	1
Leather washers, Tools for cutting.....	Leather manufactures.....	XIX	1
Leather, Water-proofing.....	Chemical processes.....	VI	
Leather whips, Machines for making.....	Leather manufactures.....	XIX	1
Leeches, Mechanical.....	Surgical apparatus.....	XXXIII	
Leeway indicators.....	Philosophical instruments.....	XXV	2
Lemon squeezers.....	Household furniture.....	XVI	2
Lenses, Fluid.....	Philosophical instruments.....	XXV	1
Lenses, Grinding and polishing.....	Glass manufactures.....	XIII	
Lenses, Microscopic.....	Philosophical instruments.....	XXV	1
Lenses, Photographic.....	Philosophical instruments.....	XXV	1
Lenses, Spectacle.....	Philosophical instruments.....	XXV	1
Lenses, Stereoscopic.....	Philosophical instruments.....	XXV	1
Lenses, Telescopie.....	Philosophical instruments.....	XXV	1
Let-off motions for looms.....	Textile manufactures.....	XXXIV	3

Invention.	Class.	Number.	Sec.
Letter balances	Philosophical instruments.....	XXV	2
Letter boxes	Philosophical instruments.....	XXV	1
Letter clips	Printing and stationery.....	XXVII	2
Letter files	Printing and stationery.....	XXVII	2
Letters, Composition for ornamental.....	Compositions.....	IX	
Leucorrhœa, Instruments for treating.....	Surgical apparatus.....	XXXIII	
Levelers	Agriculture	I	1
Leveling staffs.....	Philosophical instruments.....	XXV	2
Levels	Philosophical instruments.....	XXV	2
Levels, Pendulum.....	Philosophical instruments.....	XXV	2
Levels, Spirit.....	Philosophical instruments.....	XXV	2
Lever powers.....	Mechanical engineering.....	XX	
Levers, Differential.....	Mechanical engineering.....	XX	
Lewises for lifting stone	Civil engineering	VII	1
Life boats	Navigation.....	XXIII	
Life buckets.....	Navigation.....	XXIII	
Life, Instruments for stimulating	Surgical apparatus.....	XXXIII	
Life preservers.....	Navigation.....	XXIII	
Life-preserving mattresses.....	Navigation.....	XXIII	
Life-preserving seats	Navigation.....	XXIII	
Life rafts.....	Navigation.....	XXIII	
Lifters for ovens, kettles, &c.....	Calorifics	IV	3
Lifting apparatus	Mechanical engineering.....	XX	
Lifting jacks	Mechanical engineering.....	XX	
Lifting screws	Mechanical engineering.....	XX	
Ligatures	Surgical apparatus.....	XXXIII	
Ligatures, Instruments for adjusting	Surgical apparatus.....	XXXIII	
Light, electric, Regulators for.....	Philosophical instruments.....	XXV	3
Light-houses	Civil engineering	VII	1
Lighting and extinguishing gas by electricity	Philosophical instruments.....	XXV	3
Lighting devices.....	Illumination.....	XVIII	
Lightning protectors.....	Philosophical instruments.....	XXV	3
Lightning rods	Philosophical instruments.....	XXV	3
Lights, Deck and side.....	Navigation.....	XXIII	
Light ships.....	Navigation.....	XXIII	
Likenesses in monuments.....	Fine arts.....	XI	1
Limbs, Artificial	Surgical apparatus.....	XXXIII	
Lime furnaces	Clay manufactures.....	VIII	
Lime kilns	Clay manufactures.....	VIII	
Lime spreaders	Agriculture	I	1
Linch pins	Carriages	V	
Line fasteners.....	Household furniture.....	XVI	3
Line wires.....	Philosophical instruments.....	XXV	3
Line wires, Covering	Philosophical instruments.....	XXV	3
Line wires, Insulating	Philosophical instruments.....	XXV	3
Line wires, Pipes for underground	Philosophical instruments.....	XXV	3
Line wires, Protecting.....	Philosophical instruments.....	XXV	3
Line wires, Supporting	Philosophical instruments.....	XXV	3
Liniments	Compositions.....	IX	
Lining, Composition for furnace	Compositions.....	IX	
Lining cylinders with metal	Metal working.....	XXII	2A
Lining for vessels.....	Navigation.....	XXIII	
Lining lead pipe with tin	Metal working.....	XXII	2A
Linings for stoves	Calorifics	IV	1
Lining tubes with metal.....	Metal working	XXII	2A
Link motion for steam engines.....	Steam and air engines.....	XXXI	
Liquor pourers.....	Household furniture.....	XVI	2
Lithographic presses	Printing and stationery.....	XXVII	1
Lithographic processes.....	Fine arts.....	XI	1
Lithography.....	Fine arts.....	XI	1
Lithotriptic instruments.....	Surgical apparatus.....	XXXIII	
Lithotritors	Surgical apparatus.....	XXXIII	
Litters	Carriages	V	
Loading wagons, Machinery for	Carriages	V	

Invention.	Class.	Number.	Sec.
Loam-luting, Revivifying	Chemical processes	VI	
Lock-bolt keepers	Builders' hardware	III	
Locket cases, Making	Metal working	XXII	3A
Locketts	Fine arts	XI	1
Lock hasps	Builders' hardware	III	
Locks	Builders' hardware	III	
Locks, Bag	Builders' hardware	III	
Locks, Car-door	Builders' hardware	III	
Locks, Car-seat arm	Builders' hardware	III	
Locks, Chest	Builders' hardware	III	
Locks, Door	Builders' hardware	III	
Locks, Drawer	Builders' hardware	III	
Locks of canals	Builders' hardware	III	
Locks, Permutation	Builders' hardware	III	
Locks, Piano	Builders' hardware	III	
Locks, Safe	Builders' hardware	III	
Locks, Sash	Builders' hardware	III	
Locks, Seal	Builders' hardware	III	
Locks, Shutter	Builders' hardware	III	
Locks, Trunk	Builders' hardware	III	
Locks, Valise	Builders' hardware	III	
Locks, Window	Builders' hardware	III	
Lock-up safety valves	Steam and air engines	XXXI	
Lock-valves, Canal	Civil engineering	VII	1
Locomotive boilers	Steam and air engines	XXXI	
Locomotive furnaces	Steam and air engines	XXXI	
Locomotive pumps	Steam and air engines	XXXI	
Locomotives	Steam and air engines	XXXI	
Locomotives, Conducting smoke and cinders from	Steam and air engines	XXXI	
Locomotives, Fire boxes for	Steam and air engines	XXXI	
Locomotives, Furnace doors for	Steam and air engines	XXXI	
Locomotive smoke pipes	Steam and air engines	XXXI	
Locomotives, Reversing gear for	Steam and air engines	XXXI	
Locomotive valve gear	Steam and air engines	XXXI	
Logs, Booming	Navigation	XXIII	
Logs, Electrical	Philosophical instruments	XXV	3
Logs, Implements for rolling and piling	Civil engineering	VII	1
Logs, Rafting	Navigation	XXIII	
Logs, Rossing	Wood working	XXXVI	1
Logs, Sawing	Wood working	XXXVI	1
Logs, Ships'	Philosophical instruments	XXV	2
Longitude, Instruments for determining	Philosophical instruments	XXV	2
Looking-glasses	Household furniture	XVI	1
Looms	Textile manufactures	XXXIV	3
Looms, Electrical	Philosophical instruments	XXV	3
Looms for cross-weaving	Textile manufactures	XXXIV	3
Looms for curvilinear weaving	Textile manufactures	XXXIV	3
Looms for weaving baskets	Textile manufactures	XXXIV	3
Looms for weaving belting	Textile manufactures	XXXIV	3
Looms for weaving blinds	Textile manufactures	XXXIV	3
Looms for weaving Brussels carpets	Textile manufactures	XXXIV	3
Looms for weaving carpets	Textile manufactures	XXXIV	3
Looms for weaving cases for bottles	Textile manufactures	XXXIV	3
Looms for weaving corded fabrics	Textile manufactures	XXXIV	3
Looms for weaving counterpanes	Textile manufactures	XXXIV	3
Looms for weaving crinoline	Textile manufactures	XXXIV	3
Looms for weaving cut-piled fabrics	Textile manufactures	XXXIV	3
Looms for weaving double-piled fabrics	Textile manufactures	XXXIV	3
Looms for weaving elastic fabrics	Textile manufactures	XXXIV	3
Looms for weaving figured fabrics	Textile manufactures	XXXIV	3
Looms for weaving fringes	Textile manufactures	XXXIV	3
Looms for weaving horse hair	Textile manufactures	XXXIV	3
Looms for weaving hose	Textile manufactures	XXXIV	3
Looms for weaving ingrain carpets	Textile manufactures	XXXIV	3

Invention.	Class.	Number.	Sec.
Looms for weaving matting	Textile manufactures.....	XXXIV	3
Looms for weaving metallic tissues.....	Textile manufactures.....	XXXIV	3
Looms for weaving piled fabrics	Textile manufactures.....	XXXIV	3
Looms for weaving ribbons	Textile manufactures.....	XXXIV	3
Looms for weaving satin	Textile manufactures.....	XXXIV	3
Looms for weaving scarfs	Textile manufactures.....	XXXIV	3
Looms for weaving shaped fabrics	Textile manufactures.....	XXXIV	3
Looms for weaving shawls	Textile manufactures.....	XXXIV	3
Looms for weaving sieve cloth.....	Textile manufactures.....	XXXIV	3
Looms for weaving silk	Textile manufactures.....	XXXIV	3
Looms for weaving straw fabrics	Textile manufactures.....	XXXIV	3
Looms for weaving terry fabrics	Textile manufactures.....	XXXIV	3
Looms for weaving tubular fabrics	Textile manufactures.....	XXXIV	3
Looms for weaving two or three-ply carpets	Textile manufactures.....	XXXIV	3
Looms for weaving velvets.....	Textile manufactures.....	XXXIV	3
Looms for weaving wire.....	Textile manufactures.....	XXXIV	3
Looms for weaving woollen cloth	Textile manufactures.....	XXXIV	3
Looped fabrics	Textile manufactures.....	XXXIV	4
Lowering boats.....	Navigation	XXIII	
Low-water detectors.....	Steam and air engines	XXXI	
Lozenge-making machines	Chemical processes.....	VI	
Lubricating compounds.....	Compositions	IX	
Lubricators for steam-engine pistons....	Steam and air engines	XXXI	
Lubricators, Mechanical	Mechanical engineering	XX	
Lubricators, Steam-operating.....	Steam and air engines.....	XXXI	
Lumber tallies	Philosophical instruments.....	XXV	2
Lumber wagons.....	Carriages	V	
M.			
Machine guns.....	Fire-arms	XII	1
Machines, Doubling, (fiber).....	Textile manufactures.....	XXXIV	2
Machines, Drawing, (fiber)	Textile manufactures.....	XXXIV	2
Machines for making welt binding for rubber goods.....	Textile manufactures.....	XXXIV	3
Magazine guns.....	Fire-arms	XII	1
Magic lanterns	Sports, games, and toys	XXX	
Magnesium lights	Illumination.....	XVIII	
Magnetic apparatus.....	Philosophical instruments.....	XXV	3
Magnetic needles.....	Philosophical instruments.....	XXV	3
Magneto-electric machines.....	Philosophical instruments.....	XXV	3
Magnets.....	Philosophical instruments.....	XXV	3
Magnets, Receiving	Philosophical instruments.....	XXV	3
Magnets, Sounding.....	Philosophical instruments.....	XXV	3
Magnifying glasses.....	Philosophical instruments.....	XXV	1
Mail-bag fasteners.....	Leather manufactures	XIX	4
Mail-bag receivers, Railroad-car	Railroads and railroad cars.....	XXVIII	2
Mail bags	Leather manufactures	XIX	4
Mains for gas and water.....	Hydraulics and pneumatics	XVII	
Mallets.....	Wood working	XXXVI	2
Mallets, Croquet	Sports, games, and toys	XXX	
Mallets, Dentists'.....	Surgical apparatus.....	XXXIII	
Malting, Apparatus for.....	Chemical processes.....	VI	
Malt kilns.....	Chemical processes.....	VI	
Malt liquors, Preserving	Chemical processes.....	VI	
Mandrels for wood-working, Saw, lathe, hub, expanding	Wood working	XXXVI	2
Mangers	Agricultural products, (prep. of)	II	2
Mangles.....	Household furniture.....	XVI	3
Manipulators.....	Philosophical instruments.....	XXV	3
Manufacture of aluminium	Metallurgy	XXI	
Manufacture of cobalt	Metallurgy	XXI	
Manufacture of copper.....	Metallurgy	XXI	
Manufacture of iron.....	Metallurgy	XXI	

Invention.	Class.	Number.	Sec.
Manufacture of lead.....	Metallurgy.....	XXI	
Manufacture of magnesium.....	Metallurgy.....	XXI	
Manufacture of nickel.....	Metallurgy.....	XXI	
Manufacture of potassium.....	Metallurgy.....	XXI	
Manufacture of sodium.....	Metallurgy.....	XXI	
Manufacture of steel.....	Metallurgy.....	XXI	
Manufacture of tin.....	Metallurgy.....	XXI	
Manufacture of zinc.....	Metallurgy.....	XXI	
Manure, Artificial.....	Compositions.....	IX	
Manure broad-cast sowers.....	Agriculture.....	I	1
Manure carts.....	Agriculture.....	I	1
Manure drills.....	Agriculture.....	I	1
Manure drills, Liquid.....	Agriculture.....	I	1
Manure excavators.....	Agriculture.....	I	1
Manure hooks.....	Agriculture.....	I	1
Manuring, Green.....	Agriculture.....	I	1
Manure loaders.....	Agriculture.....	I	1
Manure screens.....	Agriculture.....	I	1
Manure spreaders.....	Agriculture.....	I	1
Map and chart holders.....	Printing and stationery.....	XXVII	2
Maple-sugar buckets.....	Agricultural products, (prep. of).....	II	2
Maps, Dissected.....	Sports, games, and toys.....	XXX	
Marble, Artificial.....	Compositions.....	IX	
Marble-crushing machines.....	Grinding mills.....	XIV	
Marble-working machines.....	Stone working.....	XXXII	
Marine railways and beds.....	Civil engineering.....	VII	1
Markers to seeding machines.....	Agriculture.....	I	1
Mark-holders for bales.....	Printing and stationery.....	XXVII	2
Marl, Treating.....	Chemical processes.....	VI	
Marquetry.....	Fine arts.....	XI	1
Marshes, Reclaiming.....	Civil engineering.....	VII	1
Martingales.....	Leather manufactures.....	XIX	3
Masonry.....	Civil engineering.....	VII	2
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Masts.....	Navigation.....	XXIII	
Match blocks, Machines for making.....	Wood working.....	XXXVI	1
Match boxes.....	Illumination.....	XVIII	
Matches, Chemical preparation of.....	Chemical processes.....	VI	
Matches, Composition for.....	Compositions.....	IX	
Matches in frames for dipping, Machines for putting.....	Wood working.....	XXXVI	1
Matches, Machines for jointing.....	Wood working.....	XXXVI	1
Matches, Machines for making.....	Wood working.....	XXXVI	1
Matches, Machines for rounding.....	Wood working.....	XXXVI	1
Matches, Machines for sawing.....	Wood working.....	XXXVI	1
Matches, Machines for splitting.....	Wood working.....	XXXVI	1
Match plates.....	Metal working.....	XXII	1 B
Match safes.....	Illumination.....	XVIII	
Mats, Door.....	Household furniture.....	XVI	3
Mats for cars, Wooden.....	Household furniture.....	XVI	3
Mats for oil presses.....	Presses.....	XXVI	
Matting.....	Textile manufactures.....	XXXIV	3
Mattocks.....	Agriculture.....	I	
Mattocks, Making.....	Metal working.....	XXII	3A
Mattresses.....	Household furniture.....	XVI	1
Mattresses, Machines for making.....	Household furniture.....	XVI	1
Measure boards.....	Philosophical instruments.....	XXV	2
Measures, Cloth.....	Philosophical instruments.....	XXV	2
Measures, Dry and liquid.....	Philosophical instruments.....	XXV	2
Measures, Lumber.....	Philosophical instruments.....	XXV	2
Measures, Surveyors'.....	Philosophical instruments.....	XXV	2
Measures, Tailors'.....	Philosophical instruments.....	XXV	2
Measures, Tape.....	Philosophical instruments.....	XXV	2
Measures, Tire.....	Philosophical instruments.....	XXV	2
Measuring cloth, &c., Machines for.....	Textile manufactures.....	XXXIV	3

Invention.	Class.	Number.	Sec.
Measuring distances, Instruments for..	Philosophical instruments.....	XXV	2
Measuring faucets.....	Philosophical instruments.....	XXV	2
Measuring funnels.....	Philosophical instruments.....	XXV	2
Measuring pumps.....	Philosophical instruments.....	XXV	2
Measuring sticks.....	Philosophical instruments.....	XXV	2
Measuring yarns.....	Textile manufactures.....	XXXIV	2
Meat cutters.....	Household furniture.....	XVI	2
Meat drying.....	Agricultural products, (prep. of)	II	2
Meat grinders.....	Household furniture.....	XVI	2
Meat holders.....	Household furniture.....	XVI	2
Meat mincers.....	Household furniture.....	XVI	2
Meat packing.....	Agricultural products, (prep. of)	II	2
Meat safes.....	Household furniture.....	XVI	2
Meats, Composition for preserving.....	Compositions.....	IX	
Meat tenderers.....	Household furniture.....	XVI	2
Mechanical movements.....	Mechanical engineering.....	XX	
Medals.....	Fine arts.....	XI	1
Medical application of electricity, In- struments for the.....	Philosophical instruments.....	XXV	3
Medical compounds.....	Compositions.....	IX	
Medicated waters.....	Compositions.....	IX	
Medicators.....	Surgical apparatus.....	XXXIII	
Medicine cases.....	Surgical apparatus.....	XXXIII	
Medicines.....	Compositions.....	IX	
Melodeons.....	Fine arts.....	XI	1
Melting glass.....	Glass manufactures.....	XIII	
Menstruation, Instruments for arresting	Surgical apparatus.....	XXXIII	
Meridian finders.....	Philosophical instruments.....	XXV	2
Mess kits.....	Household furniture.....	XVI	1
Metal boxes, Making.....	Metal working.....	XXII	2B
Metallic blinds.....	Civil engineering.....	VII	2
Metallic hoops, Rolling.....	Metal working.....	XXII	2A
Metals, Composition for coating.....	Compositions.....	IX	
Meteorometers, Telegraphic.....	Philosophical instruments.....	XXV	3
Meters.....	Philosophical instruments.....	XXV	2
Meters, Current.....	Philosophical instruments.....	XXV	2
Meters, Drop.....	Philosophical instruments.....	XXV	2
Meters, Electrical.....	Philosophical instruments.....	XXV	3
Meters, Fluid.....	Philosophical instruments.....	XXV	2
Meters, Gas.....	Philosophical instruments.....	XXV	2
Meters, Liquid.....	Philosophical instruments.....	XXV	2
Meters, Spirit.....	Philosophical instruments.....	XXV	2
Meters, Water.....	Philosophical instruments.....	XXV	2
Metronomes.....	Philosophical instruments.....	XXV	2
Mica lamp chimneys.....	Illumination.....	XVIII	
Micrometers.....	Philosophical instruments.....	XXV	2
Microscopes.....	Philosophical instruments.....	XXV	1
Milk carriers.....	Agricultural products, (prep. of)	II	2
Milk closets.....	Household furniture.....	XVI	2
Milk, Condensing.....	Chemical processes.....	VI	
Milk coolers.....	Agricultural products, (prep. of)	II	2
Milk houses.....	Agricultural products, (prep. of)	II	2
Milking shields.....	Surgical apparatus.....	XXXIII	
Milking stools.....	Agricultural products, (prep. of)	II	2
Milk safes.....	Household furniture.....	XVI	2
Milk shelves.....	Agricultural products, (prep. of)	II	2
Milk strainers.....	Agricultural products, (prep. of)	II	2
Mill-dams.....	Civil engineering.....	VII	1
Mill gearing.....	Mechanical engineering.....	XX	
Milling, Machines for.....	Metal working.....	XXII	2A
Mills, Gig.....	Textile manufactures.....	XXXIV	3
Millstone bridges.....	Grinding mills.....	XIV	
Millstone bush hammers.....	Stone working.....	XXXII	
Millstone dress.....	Grinding mills.....	XIV	
Millstone hammers.....	Stone working.....	XXXII	

Invention.	Class.	Number.	Sec.
Millstone picks.....	Stone working.....	XXXII	
Millstones.....	Stone working.....	XXXII	
Millstones, Balancing.....	Grinding mills.....	XIV	
Millstones, Elevating.....	Grinding mills.....	XIV	
Millstones, Leveling.....	Grinding mills.....	XIV	
Millstones, Supporting.....	Grinding mills.....	XIV	
Miners' picks, Making.....	Metal working.....	XXII	3A
Mining machines.....	Civil engineering.....	VII	1
Mirrors.....	Household furniture.....	XVI	1
Mirrors, Composition for coating.....	Compositions.....	IX	
Miter boxes.....	Wood working.....	XXXVI	2
Mittens.....	Wearing apparel.....	XXXV	1
Moccasins.....	Leather manufactures.....	XIX	2
Molasses gates.....	Hydraulics and pneumatics.....	XVII	
Moldboards, Bending wrought.....	Metal working.....	XXII	2A
Molders' flasks.....	Metal working.....	XXII	1B
Molders' pattern lifters.....	Metal working.....	XXII	1B
Molders' sprue patterns.....	Metal working.....	XXII	1B
Molders' tables.....	Metal working.....	XXII	1B
Mold-facing powders.....	Compositions.....	IX	
Molding pipe, Machines for.....	Metal working.....	XXII	1B
Molds, Dentists'.....	Surgical apparatus.....	XXXIII	
Molds for casting.....	Metal working.....	XXII	1B
Monitors.....	Navigation.....	XXIII	
Monitor turrets.....	Navigation.....	XXIII	
Monuments.....	Fine arts.....	XI	1
Mop handles.....	Household furniture.....	XVI	3
Mops.....	Household furniture.....	XVI	3
Mop wringers.....	Household furniture.....	XVI	3
Mortar machines.....	Clay manufactures.....	VIII	
Mortars, Ordnance.....	Fire-arms.....	XII	1
Mortars, Pharmacutists'.....	Surgical apparatus.....	XXXIII	
Mortising machines.....	Wood working.....	XXXVI	1
Mosaic tiles.....	Clay manufactures.....	VIII	
Moth traps for beehives.....	Agricultural products, (prep. of).....	II	2
Motion, Converting.....	Mechanical engineering.....	XX	
Motion, Multiplying.....	Mechanical engineering.....	XX	
Motion, Transmitting.....	Mechanical engineering.....	XX	
Motors.....	Mechanical engineering.....	XX	
Mousing hooks.....	Leather manufactures.....	XIX	3
Mouth-pieces for pipes and cigars.....	Sports, games, and toys.....	XXX	
Mowing machines.....	Harvesters.....	XV	
Mucilage bottles, Tops for.....	Printing and stationery.....	XXVII	2
Mud collectors.....	Steam and air engines.....	XXXI	
Mud machines.....	Civil engineering.....	VII	1
Muff-forming blocks.....	Wearing apparel.....	XXXV	1
Muffs.....	Wearing apparel.....	XXXV	1
Mules.....	Textile manufactures.....	XXXIV	2
Music.....	Fine arts.....	XI	1
Musical instruments.....	Fine arts.....	XI	1
Musical instruments, Electro-magnetic.....	Philosophical instruments.....	XXV	3
Musical notation.....	Fine arts.....	XI	1
Music boxes.....	Fine arts.....	XI	1
Music stands.....	Household furniture.....	XVI	1
Musquito frames.....	Household furniture.....	XVI	1
Musquito nets.....	Household furniture.....	XVI	1
Muzzles for animals.....	Leather manufactures.....	XIX	4
Muzzles for horses.....	Leather manufactures.....	XIX	4
N.			
Nail and tack extractors.....	Wood working.....	XXXVI	2
Nail-plate feeders.....	Metal working.....	XXII	2A
Nails.....	Builders' hardware.....	III	

Invention.	Class.	Number.	Sec.
Nails, Making	Metal working	XXII	3A
Napkin holders	Household furniture	XVI	3
Napkins	Household furniture	XVI	3
Naval architecture	Navigation	XXIII	
Neck-tie clasps	Wearing apparel	XXXV	1
Neck ties	Wearing apparel	XXXV	1
Neck ties, Retainers for	Wearing apparel	XXXV	1
Neck ties to collars, Attaching	Wearing apparel	XXXV	1
Neck ties, Vulcanized	Wearing apparel	XXXV	1
Neck yokes	Carriages	V	
Needle cases	Wearing apparel	XXXV	2
Needle guards	Wearing apparel	XXXV	2
Needle guns	Fire-arms	XII	1
Needles	Wearing apparel	XXXV	2
Needles, Machines for papering	Metal working	XXII	3A
Needles, Making	Metal working	XXII	3A
Needles, Putting up	Metal working	XXII	3A
Needles, Surgeons'	Surgical apparatus	XXXIII	
Needle threaders	Wearing apparel	XXXV	2
Needle wrappers	Wearing apparel	XXXV	2
Nets for birds	Sports, games, and toys	XXX	
Nets, Ladies' head	Wearing apparel	XXXV	1
Netting machines	Textile manufactures	XXXIV	4
Newspaper clamps	Printing and stationery	XXVII	2
Nicking horses, Apparatus for	Leather manufactures	XIX	3
Night carts	Carriages	V	
Night latches	Builders' hardware	III	
Night soil, Treating	Chemical processes	VI	
Nipple guards for fire-arms	Fire-arms	XII	1
Nipples, Artificial	Surgical apparatus	XXXIII	
Nipple shields	Surgical apparatus	XXXIII	
Nipples of fire-arms	Fire-arms	XII	1
Nitro-glycerine	Compositions	IX	
Noctuarys	Philosophical instruments	XXV	2
Nose bags	Leather manufactures	XIX	4
Nozzles for fire-engines	Hydraulics and pneumatics	XVII	
Nozzles for hose	Hydraulics and pneumatics	XVII	
Nozzles for oil cups	Hydraulics and pneumatics	XVII	
Nozzles, Making	Metal working	XXII	3A
Nozzles, Variable exhaust	Steam and air engines	XXXI	
Numbering machines	Printing and stationery	XXVII	1
Numeral frames	Philosophical instruments	XXV	1
Nursery bottles	Surgical apparatus	XXXIII	
Nut blanks, Making	Metal working	XXII	3A
Nut crackers	Household furniture	XVI	2
Nutmeg graters	Household furniture	XVI	2
Nut pickers	Household furniture	XVI	2
Nuts, Making	Metal working	XXII	3A
O.			
Oar locks	Navigation	XXIII	
Oars	Navigation	XXIII	
Oars, Feathering	Navigation	XXIII	
Oars, Machines for dressing	Wood working	XXXVI	1
Oars, Machines for planing	Wood working	XXXVI	1
Oars, Machines for riving	Wood working	XXXVI	1
Oars, Machines for sawing	Wood working	XXXVI	1
Octants	Philosophical instruments	XXV	2
Odometers	Philosophical instruments	XXV	2
Offal, Treating	Chemical processes	VI	
Oil cans	Metal working	XXII	3B
Oil-cloth	Chemical processes	VI	
Oil-cloth, Printing	Printing and stationery	XVII	1
Oil cups	Hydraulics and pneumatics	XVII	

Invention.	Class.	Number.	Sec.
Oil from running streams, Obtaining ..	Hydraulics and pneumatics	XVII	
Oil, Manufacture of	Chemical processes	VI	
Oil presses and mills	Presses	XXVI	
Oil, Refining	Chemical processes	VI	
Oil stones	Metal working	XXII	2 B
Ointments	Compositions	IX	
Oleometers	Philosophical instruments	XXV	2
Omnibuses	Carriages	V	
Open links	Leather manufactures	XIX	3
Opera glasses	Philosophical instruments	XXV	1
Operating broadside guns	Fire-arms	XII	1
Operating gun carriages	Fire-arms	XII	1
Operating metallic blinds	Civil engineering	VII	2
Operating metallic doors	Civil engineering	VII	2
Operating metallic shutters	Civil engineering	VII	2
Operating ordnance	Fire-arms	XII	1
Optical instruments	Philosophical instruments	XXV	1
Optimeters	Philosophical instruments	XXV	2
Ordnance	Fire-arms	XII	1
Ordnance, Attaching trunnions to	Fire-arms	XII	1
Ordnance, Casting	Metal working	XXII	1 B
Ordnance, Instruments for disabling	Fire-arms	XII	1
Ordnance, Making	Metal working	XXII	3 A
Ore mills	Grinding mills	XIV	
Ores, Amalgamating	Metallurgy	XXI	
Ores, Calcining	Metallurgy	XXI	
Ores, Concentrating	Metallurgy	XXI	
Ores, Crushing	Grinding mills	XIV	
Ores, Desulphurizing	Metallurgy	XXI	
Ores, Disintegrating	Grinding mills	XIV	
Ores, Grinding	Grinding mills	XIV	
Ores, Oxidizing	Metallurgy	XXI	
Ores, Roasting	Metallurgy	XXI	
Ores, Separating	Metallurgy	XXI	
Ores, Smelting	Metallurgy	XXI	
Ores, Stamping	Grinding mills	XIV	
Ores, Washing	Metallurgy	XXI	
Organ bellows	Fine arts	XI	1
Organ couplers	Fine arts	XI	1
Organ key-boards	Fine arts	XI	1
Organ pipes	Fine arts	XI	1
Organs	Fine arts	XI	1
Organ sound-boards	Fine arts	XI	1
Organ stops	Fine arts	XI	1
Organs, Tremolo attachment to	Fine arts	XI	1
Organ swells	Fine arts	XI	1
Organ tuning	Fine arts	XI	1
Organ wind chests	Fine arts	XI	1
Ornamental yarns	Textile manufactures	XXXIV	2
Ornamentation	Fine arts	XI	1
Ornamenting surfaces	Fine arts	XI	1
Ornaments, Composition for	Compositions	IX	
Orreries	Philosophical instruments	XXV	1
Ottomans	Household furniture	XVI	1
Oval frames, Turning	Wood working	XXXVI	1
Ovens for cooking and baking	Calorifics	IV	3
Overshoes	Leather manufactures	XIX	2
Ox shoes	Metal working	XXII	3 B
Oxygenators	Surgical apparatus	XXXIII	
Oxy-hydrogen lights	Illumination	XVIII	
Ox yokes and fixtures	Agricultural products, (prep. of) ..	II	2
Oyster dredging	Sports, games, and toys	XXX	
Oyster rakes	Sports, games, and toys	XXX	
Oyster tongs	Sports, games, and toys	XXX	

Invention.	Class.	Number.	Sec.
P.			
Packaging fabrics.....	Textile manufactures.....	XXXIV	3
Packaging yarns, cords, &c.....	Textile manufactures.....	XXXIV	2
Packing bands.....	Presses.....	XXVI	
Packing, Composition for steam.....	Compositions.....	IX	
Packing for condensers.....	Steam and air engines.....	XXXI	
Packing for steam engines.....	Steam and air engines.....	XXXI	
Packing for stuffing boxes.....	Steam and air engines.....	XXXI	
Packing for tubes of boilers.....	Steam and air engines.....	XXXI	
Packing for well tubes.....	Hydraulics and pneumatics.....	XVII	
Packing furniture.....	Household furniture.....	XVI	1
Packing glass.....	Glass manufactures.....	XIII	
Packing houses.....	Agricultural products, (prep. of)	II	2
Packing projectiles.....	Fire-arms.....	XII	2
Pack saddles.....	Leather manufactures.....	XIX	3
Paddle wheels.....	Navigation.....	XXIII	
Padlocks.....	Builders' hardware.....	III	
Pads.....	Leather manufactures.....	XIX	3
Pads for trusses.....	Surgical apparatus.....	XXXIII	
Pad trees.....	Leather manufactures.....	XIX	3
Paging machines.....	Printing and stationery.....	XXVII	1
Painting, Decorative.....	Fine arts.....	XI	1
Painting on glass.....	Fine arts.....	XI	1
Paint mills.....	Grinding mills.....	XIV	
Paint mullers.....	Grinding mills.....	XIV	
Paints.....	Compositions.....	IX	
Palates, Artificial.....	Surgical apparatus.....	XXXIII	
Palliasses.....	Household furniture.....	XVI	1
Palm leaves, Machines for splitting....	Wood working.....	XXXVI	1
Panels, Rabbeting door.....	Wood working.....	XXXVI	1
Pans, Domestic.....	Household furniture.....	XVI	2
Pantalets.....	Wearing apparel.....	XXXV	1
Pantaloon protectors.....	Wearing apparel.....	XXXV	1
Pantaloon straps.....	Wearing apparel.....	XXXV	1
Pantaloon stiffening for bottoms of..	Wearing apparel.....	XXXV	1
Pantaloon straps.....	Wearing apparel.....	XXXV	1
Pantaloon stretchers.....	Wearing apparel.....	XXXV	3
Pantographs, Ruling.....	Philosophical instruments.....	XXV	1
Paper.....	Paper making.....	XXIV	
Paper bag machines.....	Printing and stationery.....	XXVII	2
Paper bags.....	Printing and stationery.....	XXVII	2
Paper bosoms.....	Wearing apparel.....	XXXV	1
Paper boxes.....	Household furniture.....	XVI	3
Paper box machines.....	Printing and stationery.....	XXVII	2
Paper, Calendering.....	Paper making.....	XXIV	
Paper collars.....	Wearing apparel.....	XXXV	1
Paper cuffs.....	Wearing apparel.....	XXXV	1
Paper cutters.....	Printing and stationery.....	XXVII	2
Paper-cutting machines.....	Printing and stationery.....	XXVII	2
Paper, Drying.....	Paper making.....	XXIV	
Paper, Enameling.....	Paper making.....	XXIV	
Paper envelope machines.....	Printing and stationery.....	XXVII	2
Paper feeders.....	Printing and stationery.....	XXVII	2
Paper floor cloth.....	Textile manufactures.....	XXXIV	3
Paper-folding machines.....	Printing and stationery.....	XXVII	2
Paper hanging.....	Fine arts.....	XI	1
Paper-making machines.....	Paper making.....	XXIV	
Paper, Materials for.....	Paper making.....	XXIV	
Paper-perforating machines.....	Printing and stationery.....	XXVII	2
Paper, Processes of making.....	Paper making.....	XXIV	
Paper pulp.....	Paper making.....	XXIV	
Paper-pulping machines.....	Paper making.....	XXIV	
Paper, Reducing plants to.....	Paper making.....	XXIV	
Paper, Reducing wood to.....	Paper making.....	XXIV	

Invention.	Class.	Number.	Sec.
Paper, Sizing.....	Paper making.....	XXIV	
Paper twine.....	Textile manufactures.....	XXXIV	2
Paper-twine machines.....	Textile manufactures.....	XXXIV	2
Paper, Water-proofing.....	Paper making.....	XXIV	
Papier maché.....	Paper making.....	XXIV	
Paraffine, Treatment of.....	Chemical processes.....	VI	
Parasols.....	Wearing apparel.....	XXXV	4
Parchment, Manufacture of.....	Chemical processes.....	VI	
Parrel blocks.....	Navigation.....	XXIII	
Parrels.....	Navigation.....	XXIII	
Pasteboard.....	Paper making.....	XXIV	
Paste, Composition for.....	Composition.....	IX	
Pasting cops.....	Textile manufactures.....	XXXIV	2
Pattern cards.....	Textile manufactures.....	XXXIV	3
Pattern chains.....	Textile manufactures.....	XXXIV	3
Pattern cylinders.....	Textile manufactures.....	XXXIV	3
Pavements, Composition for.....	Compositions.....	IX	
Pavements, Iron.....	Civil engineering.....	VII	1
Pavements, Laying.....	Civil engineering.....	VII	1
Pavements, Roughening.....	Civil engineering.....	VII	1
Pavements, Wooden.....	Civil engineering.....	VII	1
Pawls and ratchets.....	Mechanical engineering.....	XX	
Paying seams.....	Navigation.....	XXIII	
Pea and bean shellers.....	Household furniture.....	XVI	2
Peach parers, corers, &c.....	Household furniture.....	XVI	2
Peat machines.....	Clay manufactures.....	VIII	
Pedometers.....	Philosophical instruments.....	XXV	2
Peeling almonds.....	Household furniture.....	XVI	2
Peg cutters.....	Leather manufactures.....	XIX	2
Pegging jacks.....	Leather manufactures.....	XIX	2
Pegging machines, Head blocks for.....	Leather manufactures.....	XIX	2
Pegging soles.....	Leather manufactures.....	XIX	2
Pegs, Machines for arranging.....	Leather manufactures.....	XIX	2
Pegs, Machines for driving.....	Leather manufactures.....	XIX	2
Pegs, Machines for pointing.....	Wood working.....	XXXVI	1
Pegs, Machines for splitting.....	Wood working.....	XXXVI	1
Pegs, Shoe.....	Leather manufactures.....	XIX	2
Pencil cases.....	Printing and stationery.....	XXVII	2
Pencil mark erasers.....	Printing and stationery.....	XXVII	2
Pencils.....	Printing and stationery.....	XXVII	2
Pencil sharpeners.....	Printing and stationery.....	XXVII	2
Pencils, Indelible, Composition for.....	Compositions.....	IX	
Pendulum powers.....	Mechanical engineering.....	XX	
Pendulums.....	Philosophical instruments.....	XXV	2
Pendulums, Electrical.....	Philosophical instruments.....	XXV	3
Pen cases.....	Printing and stationery.....	XXVII	2
Pen holders.....	Printing and stationery.....	XXVII	2
Pen makers, Quill.....	Printing and stationery.....	XXVII	2
Pen racks.....	Printing and stationery.....	XXVII	2
Pens.....	Printing and stationery.....	XXVII	2
Pens, Cattle.....	Agricultural products, (prep. of).....	II	2
Pens, Fountain.....	Printing and stationery.....	XXVII	2
Pens, Galvanic.....	Philosophical instruments.....	XXV	3
Pens, Making metallic.....	Metal working.....	XXII	3A
Pens, Rubber.....	Printing and stationery.....	XXVII	2
Pens, Ruling, Draftsman's.....	Philosophical instruments.....	XXV	1
Pen trays.....	Printing and stationery.....	XXVII	2
Pepper boxes.....	Household furniture.....	XVI	2
Perambulators.....	Philosophical instruments.....	XXV	1
Perches, Wagon.....	Carriages.....	V	
Percussion-cap filling machines.....	Fire-arms.....	XII	2
Percussion-cap holders.....	Fire-arms.....	XII	2
Percussion-cap lining machines.....	Fire-arms.....	XII	2
Percussion-cap primers.....	Fire-arms.....	XII	2
Percussion caps.....	Fire-arms.....	XII	2

Invention.	Class.	Number.	Sec.
Percussion cartridges.....	Fire-arms.....	XII	2
Percussion shells.....	Fire-arms.....	XII	2
Permutation locks.....	Builders' hardware.....	III	
Perspective apparatus.....	Philosophical instruments.....	XXV	1
Pessaries.....	Surgical apparatus.....	XXXIII	
Petroleum burners for cooking.....	Calorifics.....	IV	3
Pharmaceutical apparatus.....	Surgical apparatus.....	XXXIII	
Philosophical toys.....	Sports, games, and toys.....	XXX	
Photogalvanography.....	Fine arts.....	XI	1
Photographic albums, Binding.....	Printing and stationery.....	XXVII	2
Photographic apparatus.....	Fine arts.....	XI	1
Photographic cameras.....	Fine arts.....	XI	1
Photographic plate holders.....	Fine arts.....	XI	1
Photographic prints, Coloring.....	Fine arts.....	XI	1
Photographic processes.....	Fine arts.....	XI	1
Photography.....	Fine arts.....	XI	1
Photometers.....	Philosophical instruments.....	XXV	2
Photosculpture.....	Fine arts.....	XI	1
Physical experimentation, Apparatus for.....	Philosophical instruments.....	XXV	1
Piano-forte actions.....	Fine arts.....	XI	1
Piano-forte attachments.....	Fine arts.....	XI	1
Piano-forte cases.....	Fine arts.....	XI	1
Piano-forte frames.....	Fine arts.....	XI	1
Piano-forte keys.....	Fine arts.....	XI	1
Piano-forte legs.....	Fine arts.....	XI	1
Piano-fortes.....	Fine arts.....	XI	1
Piano-forte sounding boards.....	Fine arts.....	XI	1
Piano-fortes, Portable.....	Fine arts.....	XI	1
Piano-fortes, Scales for.....	Fine arts.....	XI	1
Piano-fortes, Stringing.....	Fine arts.....	XI	1
Piano-fortes, Swell attachment for.....	Fine arts.....	XI	1
Piano-fortes, Tuning.....	Fine arts.....	XI	1
Piano locks.....	Builders' hardware.....	III	
Piano movers.....	Household furniture.....	XVI	1
Piano stools.....	Household furniture.....	XVI	1
Pickaxes, Making.....	Metal working.....	XXII	3A
Picker checks.....	Textile manufactures.....	XXXIV	3
Picker motions.....	Textile manufactures.....	XXXIV	3
Pickers.....	Textile manufactures.....	XXXIV	3
Pickers, Carding-machine.....	Textile manufactures.....	XXXIV	1
Picker staves.....	Textile manufactures.....	XXXIV	3
Pickets for fences.....	Agricultural products, (prep. of).....	II	2
Picks.....	Metal working.....	XXII	3B
Picks, Making.....	Metal working.....	XXII	3A
Picture cases.....	Fine arts.....	XI	1
Picture frames.....	Fine arts.....	XI	1
Picture holders, Photographic.....	Fine arts.....	XI	1
Picture nails and screws.....	Builders' hardware.....	III	
Pie crimpers.....	Household furniture.....	XVI	2
Piers.....	Civil engineering.....	VII	1
Pie trimmers.....	Household furniture.....	XVI	2
Pigments.....	Compositions.....	IX	
Pigments, Manufacture of.....	Chemical processes.....	VI	
Pikes.....	Fire-arms.....	XII	1
Pile driving.....	Civil engineering.....	VII	1
Piles, Machines for cutting off.....	Civil engineering.....	VII	1
Pile wires.....	Textile manufactures.....	XXXIV	3
Pile wires, Moving.....	Textile manufactures.....	XXXIV	3
Pillows, mattresses, &c., Stuffing for.....	Household furniture.....	XVI	1
Pills, Machines for making.....	Surgical apparatus.....	XXXIII	
Pilot stands.....	Navigation.....	XXIII	
Pincers, Lasting.....	Leather manufactures.....	XIX	2
Pincers, Shoemakers'.....	Leather manufactures.....	XIX	2
Pincushions.....	Wearing apparel.....	XXXV	2

Invention.	Class.	Number.	Sec.
Pinking punches.....	Metal working.....	XXII	3B
Pins.....	Wearing apparel.....	XXXV	1
Pins, Cutting bed.....	Wood working.....	XXXVI	1
Pins, Diaper.....	Wearing apparel.....	XXXV	1
Pins, Machines for papering.....	Metal working.....	XXII	3A
Pins, Making.....	Metal working.....	XXII	3A
Pins, Slotting clothes.....	Wood working.....	XXXVI	1
Pins, Turning bed.....	Wood working.....	XXXVI	1
Pins, Turning clothes.....	Wood working.....	XXXVI	1
Pipe couplings.....	Hydraulics and pneumatics.....	XVII	
Pipe cutters.....	Metal working.....	XXII	2A
Pipe protecting.....	Hydraulics and pneumatics.....	XVII	
Pipes, Chain locker.....	Navigation.....	XXIII	
Pipes, Tobacco.....	Sports, games, and toys.....	XXX	
Pipettes.....	Philosophical instruments.....	XXV	2
Pisciculture, Devices used in.....	Agricultural products, (prep. of).....	II	2
Pistols.....	Fire-arms.....	XII	1
Pistol swords.....	Fire-arms.....	XII	1
Piston packers.....	Hydraulics and pneumatics.....	XVII	
Piston packing.....	Steam and air engines.....	XXXI	
Piston rod packing.....	Steam and air engines.....	XXXI	
Piston rods.....	Steam and air engines.....	XXXI	
Pistons.....	Steam and air engines.....	XXXI	
Pitchers, Beer.....	Household furniture.....	XVI	2
Pitchers, Ice.....	Household furniture.....	XVI	2
Pitchers, Molasses.....	Household furniture.....	XVI	2
Pitchforks.....	Agriculture.....	I	2
Pitmans.....	Mechanical engineering.....	XX	
Pitmans for harvesters.....	Mechanical engineering.....	XX	
Plane irons, Making.....	Metal working.....	XXII	3A
Planers, Metal.....	Metal working.....	XXII	2A
Planes, Bench.....	Wood working.....	XXXVI	2
Planes, Carpenters'.....	Wood working.....	XXXVI	2
Planes, Coopers'.....	Wood working.....	XXXVI	2
Planes, Edge.....	Wood working.....	XXXVI	2
Planes, Joiners'.....	Wood working.....	XXXVI	2
Planes, Match.....	Wood working.....	XXXVI	2
Planes, Molding.....	Wood working.....	XXXVI	2
Planes, Splint.....	Wood working.....	XXXVI	2
Plane stocks, Dressing throats of.....	Wood working.....	XXXVI	2
Plane stocks, Mortising.....	Wood working.....	XXXVI	2
Plane stocks, Mounting.....	Wood working.....	XXXVI	2
Plane tables.....	Philosophical instruments.....	XXV	2
Planetariums.....	Philosophical instruments.....	XXV	1
Planimeters.....	Philosophical instruments.....	XXV	2
Planing.....	Metal working.....	XXII	1A
Planing machines, Gearing for.....	Mechanical engineering.....	XX	
Planing machines, Wood.....	Wood working.....	XXXVI	1
Planing stones.....	Stone working.....	XXXII	
Planispheres.....	Philosophical instruments.....	XXV	1
Planing instruments.....	Philosophical instruments.....	XXV	1
Planters, Corn.....	Agriculture.....	I	1
Planters, Cotton seed.....	Agriculture.....	I	1
Planters, Hand.....	Agriculture.....	I	1
Planters, Seed.....	Agriculture.....	I	1
Planters, Tobacco seed.....	Agriculture.....	I	1
Plant labels.....	Printing and stationery.....	XXVII	2
Plaster mills.....	Grinding mills.....	XIV	
Plasters, Adhesive.....	Compositions.....	IX	
Plasters, Machines for spreading.....	Surgical apparatus.....	XXXIII	
Plate glass.....	Glass manufactures.....	XIII	
Plates.....	Household furniture.....	XVI	2
Plates for artificial teeth.....	Surgical apparatus.....	XXXIII	
Plating metals.....	Metallurgy.....	XI	
Plattening glass.....	Glass manufactures.....	XIII	

Invention.	Class.	Number.	Sec.
Playing cards	Sports, games, and toys	XXX	
Plotting surveys, Instruments for	Philosophical instruments	XXV	1
Plow beams	Agriculture	I	1
Plow cleaners	Agriculture	I	1
Plow clevises	Agriculture	I	1
Plow colters	Agriculture	I	1
Plow handles, Bending	Wood working	XXXVI	1
Plow handles, Dressing	Wood working	XXXVI	1
Plow handles, Turning	Wood working	XXXVI	1
Plow holders	Agriculture	I	1
Plow landsides	Agriculture	I	1
Plow moldboards	Agriculture	I	1
Plow plates, wrought, Making	Metal working	XXII	3A
Plow points	Agriculture	I	1
Plow regulators	Agriculture	I	1
Plows, Bookbinders'	Printing and stationery	XXVII	2
Plows, Ditching	Agriculture	I	1
Plows, Double moldboard	Agriculture	I	1
Plows, Double-shovel	Agriculture	I	1
Plows, Expanding	Agriculture	I	1
Plows for laying drain tiles	Agriculture	I	1
Plows, Gang	Agriculture	I	1
Plows, Garden	Agriculture	I	1
Plow shares	Agriculture	I	1
Plows, Hillside	Agriculture	I	1
Plows, Marking	Agriculture	I	1
Plows, Mole	Agriculture	I	1
Plow soles	Agriculture	I	1
Plows, Paring	Agriculture	I	1
Plows, Prairie	Agriculture	I	1
Plows, Rotary	Agriculture	I	1
Plows, Seeding	Agriculture	I	1
Plows, Single-shovel	Agriculture	I	1
Plows, Steam	Agriculture	I	1
Plows, Subsoil	Agriculture	I	1
Plows, Sulky	Agriculture	I	1
Plow standards	Agriculture	I	1
Plows, Wheel	Agriculture	I	1
Plow-wheel colters	Agriculture	I	1
Plugs, Machines for cutting wooden ..	Wood working	XXXVI	1
Plumbers' hook blanks, Making	Metal working	XXII	3A
Plumbs	Philosophical instruments	XXV	2
Pliers	Metal working	XXII	3B
Pneumatic railways	Railroads and railroad cars	XXVIII	1
Pocket books	Printing and stationery	XXVII	2
Pockets	Wearing apparel	XXXV	1
Pockets, Safety	Wearing apparel	XXXV	1
Pockets, Watch-protecting	Wearing apparel	XXXV	1
Pointing rails, pickets, matches, &c ..	Wood working	XXXVI	1
Pointing rods	Metal working	XXII	2A
Pointing wires	Metal working	XXII	2A
Poke for cattle, &c	Agricultural products, (prep. of) ..	II	2
Polariscopes	Philosophical instruments	XXV	1
Poles, Wagon, &c	Carriages	V	
Polishing compounds	Compositions	IX	
Polishing glass	Glass manufactures	XIII	
Polishing machines, Wood	Wood working	XXXVI	1
Polishing metals	Metal working	XXII	2B
Polishing stone and slate	Stone working	XXXII	
Polishing yarns or threads	Textile manufactures	XXXIV	2
Pomatum cases	Wearing apparel	XXXV	2
Porcelain, Composition for coloring ..	Compositions	IX	
Porcelain, Composition for making ..	Compositions	IX	
Porcelain manufacture	Clay manufactures	VIII	
Portable houses	Civil engineering	VII	2

Invention.	Class.	Number.	Sec.
Portable presses	Presses	XXVI	
Porte crayons	Printing and stationery	XXVII	2
Portemonnaies	Printing and stationery	XXVII	2
Portfolios	Printing and stationery	XXVII	2
Portfolio stands	Household furniture	XVI	1
Porthole closers, Submarine	Navigation	XXIII	
Portholes, Submarine	Navigation	XXIII	
Postage stamps	Fine arts	XI	1
Post-hole diggers	Agriculture	I	2
Posting bills	Fine arts	XI	1
Post pullers	Mechanical engineering	XX	
Potato diggers	Agriculture	I	1
Potato hooks	Agriculture	I	1
Potato mashers	Household furniture	XVI	2
Potato planters	Agriculture	I	1
Pots for making glass	Glass manufactures	XIII	
Pottery, Composition for	Compositions	IX	
Pottery manufacture	Clay manufactures	VIII	
Pouches, Tobacco	Sports, games, and toys	XXX	
Poultries, Composition for	Compositions	IX	
Poultry feeders	Agricultural products, (prep. of)	II	2
Powder blowers	Agricultural products, (prep. of)	II	2
Powder boxes for cosmetics	Wearing apparel	XXXV	2
Powder-flask chargers	Fire-arms	XII	2
Powder flasks	Fire-arms	XII	2
Powder mills, Buildings for	Civil engineering	VII	1
Power looms	Textile manufactures	XXXIV	3
Preparing ores, Chemically	Metallurgy	XXI	
Preserving animal matter, Composition for	Compositions	IX	
Preserving processes	Chemical processes	VI	
Preserving vegetable matter, Composition for	Compositions	IX	
Presser flyers	Textile manufactures	XXXIV	2
Presses, Canceling	Printing and stationery	XXVII	1
Presses, Copperplate	Printing and stationery	XXVII	1
Presses, Copying	Printing and stationery	XXVII	1
Presses, Embossing	Printing and stationery	XXVII	1
Presses, Hand-printing	Printing and stationery	XXVII	1
Presses, Lithographic	Printing and stationery	XXVII	1
Presses, Printing	Printing and stationery	XXVII	1
Presses, Seal	Printing and stationery	XXVII	1
Pressing	Metal working	XXII	1A
Pressing glass	Glass manufactures	XIII	
Preventing recoil of fire-arms	Fire-arms	XII	1
Preventing vessels from sinking	Navigation	XXIII	
Priming for paints	Compositions	IX	
Printers' blankets	Printing and stationery	XXVII	1
Printers' boxes	Printing and stationery	XXVII	1
Printers' cases	Printing and stationery	XXVII	1
Printers' furniture	Printing and stationery	XXVII	1
Printers' quoins	Printing and stationery	XXVII	1
Printers' rollers	Printing and stationery	XXVII	1
Printers' rules	Printing and stationery	XXVII	1
Printing frames, Photographic	Fine arts	XI	1
Printing presses	Printing and stationery	XXVII	1
Printing processes	Printing and stationery	XXVII	1
Printing surfaces	Printing and stationery	XXVII	1
Prisms	Philosophical instruments	XXV	1
Privies	Civil engineering	VII	1
Probangs	Surgical apparatus	XXXIII	
Probes	Surgical apparatus	XXXIII	
Producing designs	Fine arts	XI	1
Projectiles for ordnance	Fire-arms	XII	2

Invention.	Class.	Number.	Sec.
Projectiles for small arms	Fire-arms	XII	2
Projectiles, Sub-caliber rifled	Fire-arms	XII	2
Prolapsus, Instruments for treating	Surgical apparatus	XXXIII	
Propagating boxes	Agriculture	I	2
Propagating by cuttings	Agriculture	I	2
Propagating fruit trees	Agriculture	I	2
Propellers	Navigation	XXIII	
Propeller shafts	Navigation	XXIII	
Propellers, Submerged	Navigation	XXIII	
Propelling in shoal water	Navigation	XXIII	
Protecting bulwarks	Navigation	XXIII	
Protecting tiller ropes	Navigation	XXIII	
Protection of one metal by another	Metallurgy	XXI	
Protectors, Shrub and plant	Agriculture	I	2
Protectors, Tree	Agriculture	I	2
Protractors	Philosophical instruments	XXV	2
Provision safes	Household furniture	XVI	2
Pruning implements	Agriculture	I	2
Pruning knives	Metal working	XXII	3B
Pruning shears	Metal working	XXII	3B
Pug mills	Clay manufactures	VIII	
Pulleys, Belt	Mechanical engineering	XX	
Pulleys, Calisthenic	Sports, games, and toys	XXX	
Pulleys, Sash	Builders' hardware	III	
Pulleys, Turning	Metal working	XXII	2A
Pulmometers	Surgical apparatus	XXXIII	
Pump brakes	Hydraulics and pneumatics	XVII	
Pump motion	Hydraulics and pneumatics	XVII	
Pump piston rods	Hydraulics and pneumatics	XVII	
Pump pistons	Hydraulics and pneumatics	XVII	
Pumps	Hydraulics and pneumatics	XVII	
Pumps, Cattle	Hydraulics and pneumatics	XVII	
Pumps, Chain	Hydraulics and pneumatics	XVII	
Pumps, Circular brake	Hydraulics and pneumatics	XVII	
Pumps, Cistern	Hydraulics and pneumatics	XVII	
Pumps, Double acting force	Hydraulics and pneumatics	XVII	
Pumps, Feed	Hydraulics and pneumatics	XVII	
Pumps, Force	Hydraulics and pneumatics	XVII	
Pumps for hydraulic presses	Hydraulics and pneumatics	XVII	
Pumps, Lift	Hydraulics and pneumatics	XVII	
Pumps, Oil	Hydraulics and pneumatics	XVII	
Pumps, Oscillating	Hydraulics and pneumatics	XVII	
Pumps, Packing for	Hydraulics and pneumatics	XVII	
Pumps, Rotary	Hydraulics and pneumatics	XVII	
Pumps, Ships'	Hydraulics and pneumatics	XVII	
Pumps, Steam	Steam and air engines	XXXI	
Pumps, Steam automatic	Steam and air engines	XXXI	
Pumps, Submerged	Hydraulics and pneumatics	XVII	
Pumps, Water	Hydraulics and pneumatics	XVII	
Pumps, Wind propelled	Hydraulics and pneumatics	XVII	
Punches	Metal working	XXII	3B
Punches, Belt	Metal working	XXII	3B
Punches, Button-hole	Metal working	XXII	3B
Punches, Conductors'	Metal working	XXII	3B
Punches, Eyelet	Metal working	XXII	3B
Punches, Leather	Metal working	XXII	3B
Punches, Making	Metal working	XXII	3B
Punches, Paper	Metal working	XXII	3B
Punches, Pinking	Metal working	XXII	3B
Punches, Sheet metal	Metal working	XXII	3B
Punches, Spring	Metal working	XXII	3B
Punches, Wad	Metal working	XXII	3B
Punching	Metal working	XXII	1A
Punching apparatus	Metal working	XXII	2A
Punching machines, Leather	Leather manufactures	XIX	1

Invention.	Class.	Number.	Sec.
Pyrometers.....	Philosophical instruments.....	XXV	2
Pyrotechnic compounds.....	Compositions.....	IX	
Pyrotechnic devices.....	Fire-arms.....	XII	2
Puzzles.....	Sports, games, and toys.....	XXX	
Q.			
Quadrants.....	Philosophical instruments.....	XXV	2
Quarrying.....	Civil engineering.....	VII	1
Quarrying machines.....	Civil engineering.....	VII	1
Quartz mills.....	Grinding mills.....	XIV	
Quays.....	Civil engineering.....	VII	1
Quilting frames.....	Household furniture.....	XVI	1
Quoins for gun carriages.....	Fire-arms.....	XII	1
R.			
Rabbeting machines.....	Wood working.....	XXXVI	1
Racks for wagons, Hay.....	Carriages.....	V	
Racks, Hat.....	Household furniture.....	XVI	1
Racks, Hay.....	Agricultural products, (prep. of).....	II	2
Racks, Sheep.....	Agricultural products, (prep. of).....	II	2
Radiators.....	Calorifics.....	IV	1
Rafting lumber.....	Navigation.....	XXIII	
Rafts.....	Navigation.....	XXIII	
Rag engines.....	Paper making.....	XXIV	
Railroad bars, Casting.....	Metal working.....	XXII	1B
Railroad bumping posts.....	Railroads and railroad cars.....	XXVIII	1
Railroad cattle guards.....	Railroads and railroad cars.....	XXVIII	1
Railroad chairs.....	Railroads and railroad cars.....	XXVIII	1
Railroad chairs, Making wrought.....	Metal working.....	XXII	3A
Railroad crossings.....	Railroads and railroad cars.....	XXVIII	1
Railroad frogs.....	Railroads and railroad cars.....	XXVIII	1
Railroad gates.....	Railroads and railroad cars.....	XXVIII	1
Railroad joints.....	Railroads and railroad cars.....	XXVIII	1
Railroad rails.....	Railroads and railroad cars.....	XXVIII	1
Railroad rails from oxidating, Protecting.....	Philosophical instruments.....	XXV	3
Railroad rails, Making wrought.....	Metal working.....	XXII	3A
Railroad safety-guards.....	Railroads and railroad cars.....	XXVIII	1
Railroads, Elevated.....	Railroads and railroad cars.....	XXVIII	1
Railroad signals, Electrical.....	Philosophical instruments.....	XXV	3
Railroad sleepers.....	Railroads and railroad cars.....	XXVIII	1
Railroad splice pieces.....	Railroads and railroad cars.....	XXVIII	1
Railroads, Portable.....	Railroads and railroad cars.....	XXVIII	1
Railroads, Track-laying.....	Railroads and railroad cars.....	XXVIII	1
Railroad switches.....	Railroads and railroad cars.....	XXVIII	1
Railroad switches, Electrical signals for.....	Philosophical instruments.....	XXV	3
Railroad-switch signals.....	Railroads and railroad cars.....	XXVIII	1
Railroad telegraphs.....	Philosophical instruments.....	XXV	3
Railroad-ticket holders.....	Printing and stationery.....	XXVII	2
Railroad ties.....	Railroads and railroad cars.....	XXVIII	1
Railroad-track layers.....	Railroads and railroad cars.....	XXVIII	1
Railroad-track platforms.....	Railroads and railroad cars.....	XXVIII	1
Railroad-track raisers.....	Railroads and railroad cars.....	XXVIII	1
Railroad tracks.....	Railroads and railroad cars.....	XXVIII	1
Railroad turnouts.....	Railroads and railroad cars.....	XXVIII	1
Railroad turn-tables.....	Railroads and railroad cars.....	XXVIII	1
Railroad water-elevators.....	Railroads and railroad cars.....	XXVIII	1
Railroad wheels, Casting.....	Metal working.....	XXII	1B
Railroad wheels, Chills for.....	Metal working.....	XXII	1B
Rail spikes.....	Builders' hardware.....	III	
Railways, Pneumatic.....	Railroads and railroad cars.....	XXVIII	1
Raising sunken vessels.....	Civil engineering.....	VII	1
Raisin seeders.....	Household furniture.....	XVI	2

Invention.	Class.	Number.	Sec.
Rakes for harvesters.....	Harvesters.....	XV	
Rakes, Garden.....	Agriculture.....	I	2
Rakes, Grain.....	Harvesters.....	XV	
Rakes, Hand hay.....	Agriculture.....	I	2
Rakes, Horse hay.....	Harvesters.....	XV	
Rakes, Oyster.....	Sports, games, and toys.....	XXX	
Rake teeth, Making.....	Metal working.....	XXII	3A
Rammers for fire-arms.....	Fire-arms.....	XII	1
Ramrods.....	Fire-arms.....	XII	1
Rams, Naval.....	Navigation.....	XXIII	
Rams, Water.....	Hydraulics and pneumatics.....	XVII	
Ranges for cooking.....	Calorifics.....	IV	3
Rasps.....	Metal working.....	XXII	2A
Rasps, Making.....	Metal working.....	XXII	3A
Rasps, Wood.....	Wood working.....	XXXVI	2
Ratchet drills.....	Metal working.....	XXII	2A
Rattan, Machines for cutting.....	Wood working.....	XXXVI	1
Rattan, Machines for dressing.....	Wood working.....	XXXVI	1
Rattan, Machines for polishing.....	Wood working.....	XXXVI	1
Rattan, Machines for reducing.....	Wood working.....	XXXVI	1
Rattan, Machines for slitting.....	Wood working.....	XXXVI	1
Rattan, Machines for splitting.....	Wood working.....	XXXVI	1
Rattan, Machines for stripping.....	Wood working.....	XXXVI	1
Rat traps.....	Household furniture.....	XVI	3
Razor cases.....	Wearing apparel.....	XXXV	2
Razors.....	Metal working.....	XXII	3B
Razor straps.....	Metal working.....	XXII	2B
Razor straps, Composition for.....	Compositions.....	IX	
Reading cards.....	Sports, games, and toys.....	XXX	
Reamers for metal.....	Metal working.....	XXII	2A
Reamers for rock-drills.....	Civil engineering.....	VII	1
Reaping hooks.....	Harvesters.....	XV	
Reaping machines.....	Harvesters.....	XV	
Reciprocating engines.....	Steam and air engines.....	XXXI	
Reciprocating valve seats.....	Steam and air engines.....	XXXI	
Reckoning, Instruments for.....	Philosophical instruments.....	XXV	1
Recording votes, Apparatus for.....	Philosophical instruments.....	XXV	1
Reducing sulphates and oxides of metals.....	Metallurgy.....	XXI	
Reduction of metals from their ores.....	Metallurgy.....	XXI	
Reed instruments.....	Fine arts.....	XI	1
Reeds.....	Textile manufactures.....	XXXIV	3
Reefing apparatus.....	Navigation.....	XXIII	
Reefing sails.....	Navigation.....	XXIII	
Reels.....	Textile manufactures.....	XXXIV	2
Reels, Fishing.....	Sports, games, and toys.....	XXX	
Reels for cords and lines.....	Household furniture.....	XVI	3
Reels for harvesters.....	Harvesters.....	XV	
Reels, Telegraph.....	Philosophical instruments.....	XXV	3
Reflecting circles.....	Philosophical instruments.....	XXV	2
Reflectors.....	Illumination.....	XVIII	
Reflectors for windows.....	Philosophical instruments.....	XXV	1
Refrigerators.....	Household furniture.....	XVI	2
Register points for printing presses.....	Printing and stationery.....	XXVII	1
Registers, Arithmetical.....	Philosophical instruments.....	XXV	2
Registers, Billiard.....	Philosophical instruments.....	XXV	2
Registers, Counting.....	Philosophical instruments.....	XXV	2
Registers, Grain.....	Philosophical instruments.....	XXV	2
Registers, Measuring.....	Philosophical instruments.....	XXV	2
Registers, Passenger.....	Philosophical instruments.....	XXV	2
Registers, Printing-press.....	Philosophical instruments.....	XXV	2
Registers, Steam-engine.....	Philosophical instruments.....	XXV	2
Registers, Stove and furnace.....	Calorifics.....	IV	1
Registers, Street-car.....	Philosophical instruments.....	XXV	2
Registers, Telegraph.....	Philosophical instruments.....	XXV	3
Registers, Time.....	Philosophical instruments.....	XXV	2

Invention.	Class.	Number.	Sec.
Registers, Watchmen's	Philosophical instruments.....	XXV	2
Registers, Weighing.....	Philosophical instruments.....	XXV	2
Regulators, Automatic steam.....	Steam and air engines.....	XXXI	
Regulators, Blast.....	Hydraulics and pneumatics.....	XVII	
Regulators, Draft.....	Calorifics.....	IV	1
Regulators, Exhaust.....	Steam and air engines.....	XXXI	
Regulators, Heat.....	Calorifics.....	IV	1
Regulators, Safety-valve.....	Steam and air engines.....	XXXI	
Regulators, Steam.....	Steam and air engines.....	XXXI	
Rein holders.....	Leather manufactures.....	XIX	3
Reins, Safety.....	Leather manufactures.....	XIX	3
Reins, Slides for.....	Leather manufactures.....	XIX	3
Relay instruments.....	Philosophical instruments.....	XXV	3
Reliefs.....	Fine arts.....	XI	2
Relieving steam cylinders.....	Steam and air engines.....	XXXI	
Repeaters, (magnetic).....	Philosophical instruments.....	XXV	3
Repeating fire-arms.....	Fire-arms.....	XII	1
Reservoirs for canals, &c.....	Civil engineering.....	VII	1
Resistance boxes.....	Philosophical instruments.....	XXV	3
Resistance coils.....	Philosophical instruments.....	XXV	3
Retorts.....	Chemical processes.....	VI	
Retorts and vessels for galvanizing iron	Metallurgy.....	XXI	
Retorts for glass.....	Glass manufactures.....	XIII	
Revenue stamps.....	Fine arts.....	XI	1
Revolving breech for cannon.....	Fire-arms.....	XII	1
Revolving fire-arms.....	Fire-arms.....	XII	1
Revolving forge hammers.....	Metal working.....	XXII	2A
Rheopeters.....	Philosophical instruments.....	XXV	3
Rheostats.....	Philosophical instruments.....	XXV	3
Rheotomes.....	Philosophical instruments.....	XXV	3
Rheotropes.....	Philosophical instruments.....	XXV	3
Ribbons for hand-stamps, Preparing...	Chemical processes.....	VI	
Ribs, Iron.....	Navigation.....	XXIII	
Rifled ordnance.....	Fire-arms.....	XII	1
Rifles.....	Fire-arms.....	XII	1
Rifling, Forms and systems of.....	Fire-arms.....	XII	1
Rifling guns and cannons.....	Metal working.....	XXII	2A
Rigging.....	Navigation.....	XXIII	
Rigging clasps.....	Navigation.....	XXIII	
Rigging, Setting up.....	Navigation.....	XXIII	
Rimbases of cannons, Turning.....	Metal working.....	XXII	2A
Rims for spectacles, Making.....	Metal working.....	XXII	3A
Ring travelers.....	Textile manufactures.....	XXXIV	2
Rivers, Improving channels of.....	Civil engineering.....	VII	1
Rivers, Protecting against inundation of	Civil engineering.....	VII	1
Riveting, Machines for.....	Metal working.....	XXII	2A
Rivets.....	Metal working.....	XXII	3B
Rivets, Making.....	Metal working.....	XXII	2A
Riving splints, Tools for.....	Wood working.....	XXXVI	2
Road making.....	Civil engineering.....	VII	1
Road rollers.....	Civil engineering.....	VII	1
Road scrapers.....	Civil engineering.....	VII	1
Roasting ores.....	Metallurgy.....	XXI	
Rock drills.....	Civil engineering.....	VII	1
Rock drills, Air engines for.....	Steam and air engines.....	XXXI	
Rock drills, Steam engines for.....	Steam and air engines.....	XXXI	
Rocket hurpoons.....	Fire-arms.....	XII	2
Rockets for war and other purposes.....	Fire-arms.....	XII	2
Rocking-horses.....	Sports, games, and toys.....	XXX	
Roll blotters.....	Printing and stationery.....	XXVII	2
Rollers and harrows combined.....	Agriculture.....	1	1
Rollers, Barn-door.....	Builders' hardware.....	III	
Rollers, Covering.....	Textile manufactures.....	XXXIV	2
Rollers, Crushing.....	Agriculture.....	1	1
Rollers, Disk.....	Agriculture.....	1	1

Invention.	Class.	Number.	Sec.
Rollers, Drill	Agriculture	I	1
Rollers, Flanged, for restoring meadows	Agriculture	I	1
Rollers, Land	Agriculture	I	1
Rollers, Sliding-door	Builders' hardware	III	
Rolling metals	Metal working	XXII	1 A
Rolling knife blades	Metal working	XXII	2 B
Rolling pins	Household furniture	XVI	2
Rolling spoons	Metal working	XXII	2 B
Roofing compositions	Compositions	IX	
Roofing, Metallic	Civil engineering	VII	2
Roofing paper	Paper making	XXIV	
Roofs	Civil engineering	VII	2
Roof-seaming, Machines for	Metal working	XXII	2 B
Roofs, Fenders for	Civil engineering	VII	2
Rope clutches	Mechanical engineering	XX	
Rope, Composition for water-proofing	Compositions	IX	
Rope-making machines	Textile manufactures	XXXIV	2
Ropes	Textile manufactures	XXXIV	2
Ropes, Coiling	Textile manufactures	XXXIV	2
Ropes, Wire	Textile manufactures	XXXIV	2
Roses for knobs	Builders' hardware	III	
Rossing bark	Wood working	XXXVI	1
Rossing dye stuffs	Wood working	XXXVI	1
Rotary spaders	Agriculture	I	1
Roughing glass	Glass manufactures	XXI	
Roulettes	Philosophical instruments	XV	1
Rounding machines, Rein.	Leather manufactures	XIX	3
Rowlocks	Navigation	XXIII	
Rubber, Hard	Compositions	IX	
Rubber rolls to shafts, Uniting	Household furniture	XVI	3
Rubber, Vulcanizing	Chemical processes	VI	
Rubber, White	Compositions	IX	
Rudders	Navigation	XXIII	
Rudders, Attachments for	Navigation	XXIII	
Rudders, Hanging	Navigation	XXIII	
Rudders, Protecting	Navigation	XXIII	
Rudders, Yokes for	Navigation	XXIII	
Ruffles	Wearing apparel	XXXV	1
Ruffles, Band	Wearing apparel	XXXV	1
Ruffles, Machines for making	Sewing machines	XXIX	
Ruffles, Machines for making	Wearing apparel	XXXV	3
Rulers, Desk	Printing and stationery	XXVII	2
Rules, Graduated	Philosophical instruments	XXV	1
Rules, Measuring	Philosophical instruments	XXV	2
Rules, Parallel	Philosophical instruments	XXV	1
Ruling apparatus, Electrical	Philosophical instruments	XXV	3
Ruling machines	Printing and stationery	XXVII	2
Running gear of vehicles	Carriages	V	
S.			
Sabers	Metal working	XXII	3 B
Sabots for projectiles	Fire-arms	XII	2
Saber bayonets	Fire-arms	XII	1
Saccharometers	Philosophical instruments	XXV	2
Sack fasteners	Grinding mills	XIV	
Saddle blankets	Leather manufactures	XIX	3
Saddle cloths	Leather manufactures	XIX	3
Saddle girths	Leather manufactures	XIX	3
Saddles	Leather manufactures	XIX	3
Saddle seats, Casting	Metal working	XXII	1 B
Saddles, Pack	Leather manufactures	XIX	3
Saddles, Pad	Leather manufactures	XIX	3
Saddle trees	Leather manufactures	XIX	3
Saddle trees, Side	Leather manufactures	XIX	3

Invention.	Class.	Number.	Sec.
Sad-iron handles, Casting.....	Metal working.....	XXII	1 B
Sad-iron heaters.....	Calorifics.....	IV	1
Sad-irons.....	Household furniture.....	XVI	3
Sad-irons, Casting.....	Metal working.....	XXII	1 B
Safe locks.....	Builders' hardware.....	III	
Safes.....	Metal working.....	XXII	3 B
Safes, Burglar-proof.....	Metal working.....	XXII	3 B
Safes, Fire-proof.....	Metal working.....	XXII	3 B
Safes, Floating.....	Metal working.....	XXII	3 B
Safes, Lining for.....	Compositions.....	IX	
Safes, Marine.....	Metal working.....	XXII	3 B
Safes, Match.....	Illumination.....	XVIII	
Safes, Meat.....	Household furniture.....	XVI	2
Safes, Portable.....	Metal working.....	XXII	3 B
Safes, Steam fire-proof.....	Metal working.....	XXII	3 B
Safes, Water-proof.....	Metal working.....	XXII	3 B
Safety guards for gun hammers.....	Fire-arms.....	XII	1
Safety guards to locks.....	Builders' hardware.....	III	
Safety plugs.....	Steam and air engines.....	XXXI	
Safety straps of vehicles.....	Carriages.....	V	
Safety tubes.....	Steam and air engines.....	XXXI	
Safety valves.....	Steam and air engines.....	XXXI	
Sail clutches.....	Navigation.....	XXIII	
Sail hoops.....	Navigation.....	XXIII	
Sailing carriages.....	Carriages.....	V	
Sails.....	Navigation.....	XXIII	
Sails, Furling.....	Navigation.....	XXIII	
Sails, Making.....	Navigation.....	XXIII	
Sails, Reefing.....	Navigation.....	XXIII	
Salines, Treatment of.....	Chemical processes.....	VI	
Salinometers.....	Philosophical instruments.....	XXV	2
Saliva, Instruments for removing.....	Surgical apparatus.....	XXXIII	
Salves.....	Compositions.....	IX	
Sandals.....	Leather manufactures.....	XIX	2
Sand-cleaning machines.....	Stone working.....	XXXII	
Sand-paper holders.....	Wood working.....	XXXVI	2
Sand-papering machines.....	Wood working.....	XXXVI	1
Sand screens.....	Metal working.....	XXII	3 B
Sap-bucket hooks.....	Agricultural products, (prep. of).....	II	2
Sap conductors.....	Agricultural products, (prep. of).....	II	2
Sap spiles.....	Agricultural products, (prep. of).....	II	2
Sap troughs.....	Agricultural products, (prep. of).....	II	2
Sarcophagus, Clay.....	Clay manufactures.....	VIII	
Sash bolts.....	Builders' hardware.....	III	
Sash centers.....	Builders' hardware.....	III	
Sashes, Machines for boring.....	Wood working.....	XXXVI	1
Sashes, Machines for mortising.....	Wood working.....	XXXVI	1
Sashes, Machines for planing.....	Wood working.....	XXXVI	1
Sash fasteners.....	Builders' hardware.....	III	
Sash frames.....	Civil engineering.....	VII	2
Sash pulleys.....	Builders' hardware.....	III	
Sash rollers.....	Builders' hardware.....	III	
Sash weights.....	Builders' hardware.....	III	
Sauce pans.....	Household furniture.....	XVI	2
Sausage cutters.....	Household furniture.....	XVI	2
Sausage stuffers.....	Household furniture.....	XVI	2
Saw bucks.....	Wood working.....	XXXVI	2
Saw-dust carriers.....	Wood working.....	XXXVI	1
Saw frames.....	Wood working.....	XXXVI	2
Saw gutes.....	Wood working.....	XXXVI	2
Saw-gumming machines.....	Metal working.....	XXII	2 B
Saw horses.....	Wood working.....	XXXVI	2
Sawing machines.....	Wood working.....	XXXVI	1
Sawing machines for making combs.....	Wood working.....	XXXVI	1
Sawing machines, Gearing for.....	Mechanical engineering.....	XX	

Invention.	Class.	Number.	Sec.
Sawing stone.....	Stone working.....	XXXII	
Saw-mills.....	Wood working.....	XXXVI	1
Saw-mills, Circular.....	Wood working.....	XXXVI	1
Saw-mills, Dogs for.....	Wood working.....	XXXVI	1
Saw-mills, Feed devices for.....	Wood working.....	XXXVI	1
Saw-mills, Gates for.....	Wood working.....	XXXVI	1
Saw-mills, Head-blocks for.....	Wood working.....	XXXVI	1
Saw-mills, Muley.....	Wood working.....	XXXVI	1
Saws, Adjusting rakes of.....	Wood working.....	XXXVI	2
Saws, Amputation.....	Wood working.....	XXXVI	2
Saws, Annular.....	Wood working.....	XXXVI	2
Saw sashes.....	Wood working.....	XXXVI	2
Saws, Band.....	Wood working.....	XXXVI	2
Saws, Bow.....	Wood working.....	XXXVI	2
Saws, Circular.....	Wood working.....	XXXVI	2
Saws, Cross-cut.....	Wood working.....	XXXVI	2
Saws, Cylindrical.....	Wood working.....	XXXIV	2
Saws, Drag.....	Wood working.....	XXXVI	2
Saw-setting machines.....	Metal working.....	XXII	2B
Saws, Hand.....	Wood working.....	XXXVI	2
Saws, Hanging.....	Wood working.....	XXXVI	2
Saws, Ice.....	Wood working.....	XXXVI	2
Saws, Key-hole.....	Wood working.....	XXXVI	2
Saws, Making.....	Metal working.....	XXII	3A
Saws, Meat.....	Wood working.....	XXXVI	2
Saws, Metal.....	Wood working.....	XXXVI	2
Saws, Pruning.....	Wood working.....	XXXVI	2
Saws, Scroll.....	Wood working.....	XXXVI	2
Saws, Straining.....	Wood working.....	XXXVI	2
Saws, Tenon.....	Wood working.....	XXXVI	2
Saws, Web.....	Wood working.....	XXXVI	2
Saws, Whip.....	Wood working.....	XXXVI	2
Saw teeth.....	Wood working.....	XXXVI	2
Saw teeth, Truing the faces of.....	Metal working.....	XXII	3B
Scaffolding.....	Civil engineering.....	VII	2
Scales, Drafting.....	Philosophical instruments.....	XXV	2
Scales, Mathematical.....	Philosophical instruments.....	XXV	2
Scales, Sliding.....	Philosophical instruments.....	XXV	2
Scales, Tailors'.....	Philosophical instruments.....	XXV	2
Scales, Weighing.....	Philosophical instruments.....	XXV	2
Scalpels.....	Metal working.....	XXII	3B
Scarf pins.....	Wearing apparel.....	XXXV	1
Scarificators.....	Surgical apparatus.....	XXXIII	
Scarifiers, Agricultural.....	Agriculture.....	I	1
Scissors.....	Metal working.....	XXII	3B
Scoops, Flour, &c.....	Household furniture.....	XVI	2
Scouring glass.....	Glass manufactures.....	XIII	
Scouring machines.....	Grinding mills.....	XIV	
Scouring stone.....	Stone working.....	XXXII	
Scrap-books.....	Printing and stationery.....	XXVII	2
Scrapers, Box, mast, deck.....	Wood working.....	XXXVI	2
Scrapers, Cane.....	Agriculture.....	I	1
Scrapers, Cotton.....	Agriculture.....	I	1
Scrapers, Millstone.....	Grinding mills.....	XIV	
Scrapers, Tree.....	Agriculture.....	I	2
Screens, Fire.....	Household furniture.....	XVI	3
Screw blanks, Making.....	Metal working.....	XXII	3A
Screw bolts.....	Metal working.....	XXII	3B
Screw drivers.....	Wood working.....	XXXVI	2
Screw drivers, Making.....	Metal working.....	XXII	3A
Screw nuts.....	Metal working.....	XXII	3B
Screw-piles and shafts.....	Civil engineering.....	VII	1
Screw-presses.....	Presses.....	XXVI	
Screws.....	Builders' hardware.....	III	
Screws, Capping.....	Metal working.....	XXII	2A

Invention.	Class.	Number.	Sec.
Screws, Machines for cutting wooden..	Wood working	XXXVI	1
Screws, Making	Metal working	XXII	2A
Screw spikes	Builders' hardware	III	
Screws, Wooden	Wood working	XXXVI	1
Screw taps	Metal working	XXII	2A
Scrubbing machines	Household furniture	XVI	3
Scrubbing pails	Household furniture	XVI	3
Scuffle hoes	Agriculture	I	1
Scufflers	Agriculture	I	1
Scythe fastenings	Harvesters	XV	
Scythe nibs	Harvesters	XV	
Scythe rifles	Metal working	XXII	2B
Scythes	Harvesters	XV	
Scythes, Making	Metal working	XXII	3A
Scythe snaths	Harvesters	XV	
Scythe stones	Metal working	XXII	2B
Sealing fruit cans	Household furniture	XVI	3
Seal locks	Builders' hardware	III	
Seals	Printing and stationery	XXVII	2
Seaming machines	Metal working	XXII	2B
Seats for mowers and reapers	Harvesters	XV	
Seats for wagons, Spring	Carriages	V	
Seats, School	Household furniture	XVI	1
Seats, Water-closet	Hydraulics and pneumatics	XVII	
Sectors	Philosophical instruments	XXV	2
Securing cables and hawsers	Navigation	XXIII	
Securing hatches	Navigation	XXIII	
Securing wheels to axles	Carriages	V	
Seed drills	Agriculture	I	1
Sediment collectors	Steam and air engines	XXXI	
Seed planters	Agriculture	I	1
Seed planters and drills combined	Agriculture	I	1
Self-loading carts	Carriages	V	
Self-loading fire-arms	Fire-arms	XII	1
Semaphores, Electrical	Philosophical instruments	XXV	3
Settees	Household furniture	XVI	1
Setting precious stones	Fine arts	XI	1
Sewers	Civil engineering	VII	1
Sewing birds	Wearing apparel	XXXV	2
Sewing boxes	Household furniture	XVI	1
Sewing guards	Wearing apparel	XXXV	2
Sewing-machine binders	Sewing machines	XXIX	
Sewing-machine bobbins	Sewing machines	XXIX	
Sewing-machine bobbin winders	Sewing machines	XXIX	
Sewing-machine braiders	Sewing machines	XXIX	
Sewing-machine clutch pulleys	Sewing machines	XXIX	
Sewing-machine corders	Sewing machines	XXIX	
Sewing-machine creasers	Sewing machines	XXIX	
Sewing-machine fans	Sewing machines	XXIX	
Sewing-machine feed devices	Sewing machines	XXIX	
Sewing-machine fellers	Sewing machines	XXIX	
Sewing-machine gauges	Sewing machines	XXIX	
Sewing-machine guides	Sewing machines	XXIX	
Sewing-machine hemmers	Sewing machines	XXIX	
Sewing-machine markers	Sewing machines	XXIX	
Sewing-machine needles	Sewing machines	XXIX	
Sewing-machine needle setters	Sewing machines	XXIX	
Sewing-machine needles, Making	Metal working	XXII	3A
Sewing-machine needle threaders	Sewing machines	XXIX	
Sewing-machine plaiters	Sewing machines	XXIX	
Sewing-machine presser feet	Sewing machines	XXIX	
Sewing-machine rufflers	Sewing machines	XXIX	
Sewing machines	Sewing machines	XXIX	
Sewing machines, Box plaiting attach- ments for	Sewing machines	XXIX	

Invention.	Class.	Number.	Sec.
Sewingmachines, Button-hole.....	Sewing machines	XXIX	
Sewing machines for boots and shoes..	Sewing machines	XXIX	
Sewing machines for embroidering....	Sewing machines	XXIX	
Sewing machines for producing braid on surfaces	Sewing machines	XXIX	
Sewing machines for sewing on but- tons	Sewing machines	XXIX	
Sewing machines for sewing straw goods	Sewing machines	XXIX	
Sewing-machine shuttle drivers.....	Sewing machines	XXIX	
Sewing-machine shuttles.....	Sewing machines	XXIX	
Sewing-machine stitches	Sewing machines	XXIX	
Sewing-machine tension devices	Sewing machines	XXIX	
Sewing-machine thread cutters	Sewing machines	XXIX	
Sewing-machine thread motion.....	Sewing machines	XXIX	
Sewing-machine thread waxing devices	Sewing machines	XXIX	
Sewing-machine tuckers	Sewing machines	XXIX	
Sewing-machine wax thread heaters...	Sewing machines	XXIX	
Sewing pins	Wearing apparel.....	XXXV	2
Sewing work holders	Wearing apparel.....	XXXV	2
Sextants	Philosophical instruments.....	XXV	2
Shaft couplings	Mechanical engineering.....	XX	
Shaft hangers	Mechanical engineering.....	XX	
Shafting	Mechanical engineering.....	XX	
Shaft tugs	Leather manufactures	XIX	3
Shank cutters	Leather manufactures	XIX	2
Shank lasters	Leather manufactures	XIX	2
Shanks, Boot	Leather manufactures	XIX	2
Shanks for knobs	Builders' hardware.....	III	
Shaping and folding cans while being soldered.....	Metal working.....	XXII	2B
Shaping ships' timbers.....	Navigation.....	XXIII	
Sharpeners, Knife	Metal working.....	XXII	3B
Sharpeners, Reaper knife	Metal working.....	XXII	3B
Sharpeners, Scissors	Metal working.....	XXII	3B
Sharpeners, Skate	Metal working.....	XXII	3B
Sharpeners, Steel for knife	Metal working.....	XXII	3B
Sharpening faces of cotton-gin saws...	Metal working.....	XXII	2B
Sharpening plane irons	Metal working.....	XXII	2B
Shaving cases	Wearing apparel.....	XXXV	2
Shavings for stuffing, Machines for making	Wood working.....	XXXVI	1
Shawl pins	Wearing apparel.....	XXXV	1
Shearing	Metal working.....	XXII	1A
Shearing metal.....	Metal working.....	XXII	2A
Shears, Button-hole.....	Metal working.....	XXII	3B
Shears, Cattle-marking	Metal working.....	XXII	3B
Shears, Edging	Metal working.....	XXII	3B
Shears, Garden	Metal working.....	XXII	3B
Shears, Grass-edging.....	Metal working.....	XXII	3B
Shears, Hair-clipping.....	Metal working.....	XXII	3B
Shears, Hedging	Metal working.....	XXII	3B
Shears, Lopping	Metal working.....	XXII	3B
Shears, Pruning.....	Metal working.....	XXII	3B
Shears, Sheep.....	Metal working.....	XXII	3B
Shears, Sheet-metal	Metal working.....	XXII	3B
Shears, Tailors'	Metal working.....	XXII	3B
Shears, Tinman's.....	Metal working.....	XXII	3B
Sheathing nails, Making	Metal working.....	XXII	3A
Sheathing vessels.....	Navigation.....	XXIII	
Shedding apparatus.....	Textile manufactures.....	XXXIV	3
Sheep holders.....	Agricultural products, (prep. of)	II	2
Sheep racks	Agricultural products, (prep. of)	II	2
Sheep-shearing machines.....	Agricultural products, (prep. of)	II	2
Sheep-shearing tables.....	Agricultural products, (prep. of)	II	2

Invention.	Class.	Number.	Sec.
Sheet iron, Chemical processes for manufacturing.....	Metal working.....	XXII	3A
Sheet iron, Making.....	Metal working.....	XXII	3A
Sheet lead, Making.....	Metal working.....	XXII	3A
Sheet-metal barrels.....	Metal working.....	XXII	3B
Sheet-metal boilers.....	Metal working.....	XXII	3B
Sheet-metal cans.....	Metal working.....	XXII	3B
Sheet-metal casks.....	Metal working.....	XXII	3B
Sheet-metal coal hods.....	Metal working.....	XXII	3B
Sheet-metal funnels.....	Metal working.....	XXII	3B
Sheet-metal hoops.....	Metal working.....	XXII	3B
Sheet-metal jug tops.....	Metal working.....	XXII	3B
Sheet-metal plates, Uniting.....	Metal working.....	XXII	2B
Sheet-metal tanks.....	Metal working.....	XXII	3B
Shells.....	Fire-arms.....	XXII	2
Shells, Casting.....	Metal working.....	XXII	1B
Shells, Incendiary.....	Fire-arms.....	XII	2
Shelves, Folding.....	Household furniture.....	XVI	1
Shingles, Machines for jointing.....	Wood working.....	XXXVI	1
Shingles, Machines for planing.....	Wood working.....	XXXVI	1
Shingles, Machines for riving.....	Wood working.....	XXXVI	1
Shingles, Machines for sawing.....	Wood working.....	XXXVI	1
Ships' capstans.....	Mechanical engineering.....	XX	
Ships' knees.....	Navigation.....	XXIII	
Shipwrights' clamps.....	Wood working.....	XXXVI	2
Shipwrights' tools.....	Wood working.....	XXXVI	2
Shirt bosoms.....	Wearing apparel.....	XXXV	1
Shirt fronts, Attaching.....	Wearing apparel.....	XXXV	1
Shirts.....	Wearing apparel.....	XXXV	1
Shoe binding.....	Leather manufactures.....	XIX	2
Shoe clasps.....	Leather manufactures.....	XIX	2
Shoe distenders.....	Leather manufactures.....	XIX	2
Shoe fasteners.....	Leather manufactures.....	XIX	2
Shoe hammers.....	Leather manufactures.....	XIX	2
Shoe holders.....	Leather manufactures.....	XIX	2
Shoe hooks.....	Leather manufactures.....	XIX	2
Shoe lacing.....	Leather manufactures.....	XIX	2
Shoe-lacing hooks.....	Leather manufactures.....	XIX	2
Shoemakers' benches.....	Leather manufactures.....	XIX	2
Shoe nails, Making.....	Metal working.....	XXII	3A
Shoe patterns.....	Leather manufactures.....	XIX	2
Shoe pegs, Machines for making.....	Wood working.....	XXXV	1
Shoes.....	Leather manufactures.....	XIX	2
Shoes for horses, Casting.....	Metal working.....	XXII	1B
Shoes for sleighs, Casting.....	Metal working.....	XXII	1B
Shoe soles, Machines for preparing wooden.....	Wood working.....	XXXVI	1
Shoe straps.....	Leather manufactures.....	XIX	2
Shot.....	Fire-arms.....	XII	2
Shot cartridges.....	Fire-arms.....	XII	2
Shot, Casting iron.....	Metal working.....	XXII	1B
Shot, Chain.....	Fire-arms.....	XII	2
Shot chargers.....	Fire-arms.....	XII	2
Shot, Making lead.....	Metal working.....	XXII	1B
Shot-pouch tops.....	Fire-arms.....	XII	2
Shoulder straps.....	Wearing apparel.....	XXXV	1
Shoulder supporters.....	Wearing apparel.....	XXXV	1
Shovels, Making.....	Metal working.....	XXII	3A
Shovels of all kinds.....	Agriculture.....	1	2
Show cards.....	Printing and stationery.....	XXVII	2
Show cards, Automatic.....	Printing and stationery.....	XXVII	2
Show cases.....	Household furniture.....	XVI	1
Shutter bars.....	Builders' hardware.....	III	
Shutter lifts.....	Builders' hardware.....	III	
Shutter screws.....	Builders' hardware.....	III	

Invention.	Class.	Number.	Sec.
Shuttle boxes.....	Textile manufactures.....	XXXIV	3
Shuttle boxes, Actuating.....	Textile manufactures.....	XXXIV	3
Shuttle checks.....	Textile manufactures.....	XXXIV	3
Shuttles.....	Textile manufactures.....	XXXIV	3
Shuttles, Tatting.....	Wearing apparel.....	XXXV	2
Sickles.....	Harvesters.....	XV	
Sickles, Making.....	Metal working.....	XXII	3A
Sieves for meal, &c.....	Household furniture.....	XVI	2
Sifters, Flour.....	Household furniture.....	XVI	2
Sights of fire-arms.....	Fire-arms.....	XII	1
Signal bells.....	Philosophical instruments.....	XXV	1
Signal boxes.....	Philosophical instruments.....	XXV	1
Signal boxes for fire-alarms.....	Philosophical instruments.....	XXV	1
Signal codes.....	Philosophical instruments.....	XXV	1
Signaling apparatus.....	Philosophical instruments.....	XXV	1
Signals.....	Philosophical instruments.....	XXV	1
Signals, Electrical.....	Philosophical instruments.....	XXV	3
Signals, Fog.....	Navigation.....	XXIII	
Signals, Marine.....	Philosophical instruments.....	XXV	1
Signals, Pyrotechnic.....	Philosophical instruments.....	XXV	1
Signals, Semaphoric.....	Philosophical instruments.....	XXV	1
Signal towers.....	Civil engineering.....	VII	1
Signs.....	Printing and stationery.....	XXVII	2
Signs, Illuminating.....	Illumination.....	XVIII	
Silicates, Application of alkaline.....	Chemical processes.....	VI	
Silk cleaning.....	Textile manufactures.....	XXXIV	2
Silk doubling and trebling.....	Textile manufactures.....	XXXIV	2
Silk, Sizing.....	Textile manufactures.....	XXXIV	2
Silk, Sorting.....	Textile manufactures.....	XXXIV	2
Silk, Stretching.....	Textile manufactures.....	XXXIV	2
Silkworm culture.....	Agricultural products, (prep. of).....	II	2
Singeing animals.....	Agricultural products, (prep. of).....	II	2
Singletrees.....	Carriages.....	V	
Sinks, Kitchen.....	Household furniture.....	XVI	3
Siphons.....	Hydraulics and pneumatics.....	XVII	
Sirups, Treatment of.....	Chemical processes.....	VI	
Sizing, Composition for.....	Compositions.....	IX	
Sizing silk.....	Textile manufactures.....	XXXIV	2
Sizing thread.....	Textile manufactures.....	XXXIV	2
Sizing yarn.....	Textile manufactures.....	XXXIV	2
Skate-fasteners.....	Sports, games, and toys.....	XXX	
Skates.....	Sports, games, and toys.....	XXX	
Skates, Casting.....	Metal working.....	XXII	1B
Skates, Parlor.....	Sports, games, and toys.....	XXX	
Skates, Roller.....	Sports, games, and toys.....	XXX	
Skeins for wheel-vehicles, Casting.....	Metal working.....	XXII	1B
Skeins of axles.....	Carriages.....	V	
Skimmers.....	Household furniture.....	XVI	2
Skimmers for steam boilers.....	Steam and air engines.....	XXXI	
Skimmers for sugar pans.....	Chemical processes.....	VI	
Skinning machines.....	Agricultural products, (prep. of).....	II	2
Skins, Treatment of.....	Chemical processes.....	VI	
Skirt covers.....	Wearing apparel.....	XXXV	1
Skirt elevators.....	Wearing apparel.....	XXXV	1
Skirt protectors.....	Wearing apparel.....	XXXV	1
Skirts.....	Wearing apparel.....	XXXV	1
Skirts and corsets, Combined.....	Wearing apparel.....	XXXV	1
Skirts, Clasps for.....	Wearing apparel.....	XXXV	1
Skirts, Covered wire for.....	Wearing apparel.....	XXXV	1
Skirts, Detachable-bottom.....	Wearing apparel.....	XXXV	1
Skirts, Hoop.....	Wearing apparel.....	XXXV	1
Skirts, Metal binding for.....	Wearing apparel.....	XXXV	1
Skirts, Seamless.....	Wearing apparel.....	XXXV	1
Skirts, Springs for.....	Wearing apparel.....	XXXV	1
Skirt supporters.....	Wearing apparel.....	XXXV	1

Invention.	Class.	Number.	Sec.
Skirts, Tapes for	Wearing apparel.....	XXXV	1
Skirts, Waistbands for	Wearing apparel.....	XXXV	1
Slate, Artificial.....	Compositions.....	IX	
Slate-frame joints	Printing and stationery.....	XXVII	2
Slate pencils, Composition for	Compositions	IX	
Slate-working machines.....	Stone working.....	XXXII	
Slates, Artificial writing.....	Printing and stationery.....	XXVII	2
Slates, Writing	Printing and stationery.....	XXVII	2
Slating.....	Civil engineering	VII	2
Slaughtering devices	Agricultural products, (prep. of)	II	2
Sled brakes.....	Carriages	V	
Sled runners.....	Carriages	V	
Sleds	Carriages	V	
Sleds for furrowing ground.....	Agriculture	I	1
Sled soles	Carriages	V	
Sleeve fastenings.....	Wearing apparel.....	XXXV	1
Sleeves of garments	Wearing apparel.....	XXXV	1
Sleigh bells.....	Leather manufactures.....	XIX	3
Sleighs.....	Carriages	V	
Sliding-door rollers	Builders' hardware.....	III	
Slinging accoutrements	Leather manufactures	XIX	4
Slippers	Leather manufactures.....	XIX	2
Slips.....	Civil engineering	VII	1
Slivering machines	Wood working	XXXVI	1
Slivers, Cans for	Textile manufactures.....	XXXIV	2
Slop buckets and jars.....	Household furniture.....	XVI	3
Slotting	Metal working.....	XXII	1A
Slubbing and roving machinery	Textile manufactures.....	XXXIV	2
Sluice gates	Civil engineering	VII	1
Smoke bells.....	Glass manufactures.....	XIII	
Smoke burners.....	Calorifics.....	IV	1
Smoke pipes.....	Steam and air engines.....	XXXI	
Smoothing cloth previous to gigging.....	Textile manufactures.....	XXXIV	3
Smoothing irons.....	Household furniture.....	XVI	3
Smut machines.....	Grinding mills.....	XIV	
Snags, Removing.....	Civil engineering.....	VII	1
Snap hooks of all kinds.....	Leather manufactures.....	XIX	3
Snap links.....	Leather manufactures.....	XIX	3
Snaths, Machines for bending.....	Wood working.....	XXXVI	1
Snaths, Machines for finishing.....	Wood working.....	XXXVI	1
Snaths, Machines for rounding.....	Wood working.....	XXXVI	1
Snow plows.....	Railroads and railroad cars.....	XXVIII	2
Snuff boxes.....	Sports, games and toys.....	XXX	
Snuffers	Illumination.....	XVIII	
Snuff sifters.....	Sports, games, and toys.....	XXX	
Soap, Composition of.....	Compositions.....	IX	
Soap holders.....	Household furniture.....	XVI	1
Soap, Manufacture of.....	Chemical processes.....	VI	
Sod cutters.....	Agriculture.....	I	1
Sofas.....	Household furniture.....	XVI	1
Solar cameras.....	Fine arts.....	XI	1
Solder drops, Casting.....	Metal working.....	XXII	1B
Soldering furnaces.....	Metal working.....	XXII	1B
Soldering irons.....	Metal working.....	XXII	1B
Sorghum mills.....	Grinding mills.....	XIV	
Sorghum strippers.....	Agricultural products, (prep. of)	II	2
Sorting apparatus, Electrical.....	Philosophical instruments.....	XXV	3
Sorting silk.....	Textile manufactures.....	XXXIV	2
Sounders, Magnetic.....	Philosophical instruments.....	XXV	3
Sounding, Instruments for marine.....	Philosophical instruments.....	XXV	2
Sowers, Broadcast seed.....	Agriculture.....	I	1
Sowers, Fertilizer.....	Agriculture	I	1
Sowers, Seed.....	Agriculture	I	1
Spades.....	Agriculture	I	2
Spades, Making.....	Metal working.....	XXII	3A

Invention.	Class.	Number.	Sec.
Spading machines.....	Agriculture.....	1	1
Spark arresters.....	Steam and air engines.....	XXXI	
Spark consumers.....	Steam and air engines.....	XXXI	
Sparring steamboats.....	Navigation.....	XXIII	
Spars, Handling and hoisting.....	Navigation.....	XXIII	
Speaking trumpets.....	Philosophical instruments.....	XXV	1
Speaking tubes.....	Philosophical instruments.....	XXV	1
Specific gravity apparatus.....	Philosophical instruments.....	XXV	2
Spectacles.....	Philosophical instruments.....	XXV	1
Specula, Anal.....	Surgical apparatus.....	XXXIII	
Specula, Vaginal.....	Surgical apparatus.....	XXXIII	
Speeders for capstans.....	Mechanical engineering.....	XX	
Speed indicators.....	Philosophical instruments.....	XXV	2
Spermatorrhœa, Apparatus for treating	Surgical apparatus.....	XXXIII	
Spherical case shot.....	Fire-arms.....	XII	2
Spice boxes.....	Household furniture.....	XVI	2
Spice mills.....	Grinding mills.....	XIV	
Spike extractors.....	Wood working.....	XXXVI	2
Spikes.....	Builders' hardware.....	III	
Spikes, Casting.....	Metal working.....	XXII	1B
Spikes, Making.....	Metal working.....	XXII	3A
Spikes, Self-clinching.....	Builders' hardware.....	III	
Spindles.....	Textile manufactures.....	XXXIV	2
Spindles, Banding.....	Textile manufactures.....	XXXIV	2
Spindles for knobs.....	Builders' hardware.....	III	
Spindles, Lubricating.....	Textile manufactures.....	XXXIV	2
Spindles, Mill.....	Grinding mills.....	XIV	
Spindles, Securing.....	Builders' hardware.....	III	
Spine, Apparatus for treatment of.....	Surgical apparatus.....	XXXIII	
Spinning sheet-metal ware.....	Metal working.....	XXII	2B
Spinning wheels.....	Textile manufactures.....	XXXIV	2
Spirals, Instruments for drawing.....	Philosophical instruments.....	XXV	1
Spirits, Manufacture of.....	Chemical processes.....	VI	
Spirometers.....	Philosophical instruments.....	XXV	2
Spittoons.....	Household furniture.....	XVI	3
Spittoon envelopes.....	Household furniture.....	XVI	3
Splicing timbers.....	Civil engineering.....	VII	2
Splints.....	Surgical apparatus.....	XXXIII	
Splints, Basket.....	Wood working.....	XXXVI	1
Splints, Broom.....	Wood working.....	XXXVI	1
Splints, Match.....	Wood working.....	XXXVI	1
Split rings.....	Leather manufactures.....	XIX	3
Split rings, Making.....	Metal working.....	XXII	3A
Splitting slate.....	Stone working.....	XXXII	
Splitting wood, Machines for.....	Wood working.....	XXXVI	1
Spokes, Machines for driving.....	Wood working.....	XXXVI	1
Spokes, Machines for polishing.....	Wood working.....	XXXVI	1
Spokes, Machines for planing.....	Wood working.....	XXXVI	1
Spokes, Machines for tenoning.....	Wood working.....	XXXVI	1
Spokes, Machines for turning.....	Wood working.....	XXXVI	1
Spoke shaves.....	Wood working.....	XXXVI	2
Spoke sockets.....	Carriages.....	V	
Spokes, Wheel.....	Carriages.....	V	
Sponge for stuffing, Preparing.....	Household furniture.....	XVI	1
Spooling machines.....	Textile manufactures.....	XXXIV	2
Spools.....	Textile manufactures.....	XXXIV	2
Spools for darning cotton.....	Wearing apparel.....	XXXV	2
Spools, Machines for boring wooden..	Wood working.....	XXXVI	1
Spools, Machines for turning.....	Wood working.....	XXXVI	1
Spool stands.....	Wearing apparel.....	XXXV	2
Spoon blanks.....	Metal working.....	XXII	3B
Spoons.....	Metal working.....	XXII	3B
Spoons, Dies for stamping.....	Metal working.....	XXII	2B
Spoons, Julep.....	Metal working.....	XXII	3B
Spoons, Making.....	Metal working.....	XXII	2B

Invention.	Class.	Number.	Sec.
Spoons, Medicinal.....	Surgical apparatus.....	XXXIII	
Spoons, Mustache.....	Metal working.....	XXII	3B
Spoons, Rolls for forming.....	Metal working.....	XXII	2B
Spouting, Sheet metal.....	Metal working.....	XXII	2B
Spouts for tea and coffee pots, Casting	Metal working.....	XXII	1B
Spring bolts.....	Builders' hardware.....	III	
Spring hinges.....	Builders' hardware.....	III	
Spring punches.....	Metal working.....	XXII	3B
Springs, Carriage.....	Carriages.....	V	
Springs, Door.....	Builders' hardware.....	III	
Springs for artificial teeth.....	Surgical apparatus.....	XXXIII	
Springs for sofas, beds, chairs, &c....	Household furniture.....	XVI	1
Spring slats for furniture.....	Household furniture.....	XVI	1
Springs, making metallic.....	Metal working.....	XXII	3A
Springs not specially applied.....	Metal working.....	XXII	3B
Springs, Watch.....	Philosophical instruments.....	XXV	2'
Sprouting beds for plants.....	Agriculture.....	I	2
Spuds.....	Agriculture.....	I	2
Spurs.....	Leather manufactures.....	XIX	3
Squares.....	Philosophical instruments.....	XXV	2
Squeezers.....	Metal working.....	XXII	2A
Squeezing metals.....	Metal working.....	XXII	1A
Stable cleaners.....	Agricultural products, (prep. of)	II	2
Stables.....	Agricultural products, (prep. of)	II	2
Stackers.....	Agricultural products, (prep. of)	II	1
Stage properties.....	Sports, games, and toys.....	XXX	
Staging.....	Civil engineering.....	VII	1
Staging for boats.....	Civil engineering.....	VII	1
Staining glass, wood, &c.....	Fine arts.....	XI	1
Stains, Composition for removing.....	Compositions.....	IX	
Stair-rod fastenings.....	Builders' hardware.....	III	
Stair-rods.....	Builders' hardware.....	III	
Stairs.....	Civil engineering.....	VII	2
Stalk extractors.....	Agriculture.....	I	2
Stalls for cattle and horses.....	Agricultural products, (prep. of)	II	2
Stamping metals.....	Metal working.....	XXII	1A
Stamping mills.....	Grinding mills.....	XIV	
Stamps, Canceling.....	Printing and stationery.....	XVIII	2
Stamps for forming sheet-metal ware..	Metal working.....	XXII	2B
Stamps, Hand.....	Printing and stationery.....	XXVII	1
Stamps, Post office.....	Printing and stationery.....	XXVII	1
Stamps, Revenue.....	Fine arts.....	XI	1
Stands, Flower.....	Household furniture.....	XVI	3
Stands, Hat.....	Household furniture.....	XVI	1
Stands, Sewing.....	Household furniture.....	XVI	1
Stands, Towel.....	Household furniture.....	XVI	1
Staples, Making.....	Metal working.....	XXII	3A
Starch, Manufacture of.....	Chemical processes.....	VI	
Starting engines off their centers.....	Mechanical engineering.....	XX	
Stationery, Articles of.....	Printing and stationery.....	XXVII	2
Statuary (designs).....	Fine arts.....	XI	2
Staves, Machines for bilging.....	Wood working.....	XXXVI	1
Staves, Machines for crozing.....	Wood working.....	XXXVI	1
Staves, Machines for dressing.....	Wood working.....	XXXVI	1
Staves, Machines for howeling.....	Wood working.....	XXXVI	1
Staves, Machines for jointing.....	Wood working.....	XXXVI	1
Staves, Machines for riving.....	Wood working.....	XXXVI	1
Staving metals.....	Metal working.....	XXII	1A
Steam cooking apparatus.....	Calorifies.....	IV	3
Steam cultivators.....	Agriculture.....	I	1
Steam-engine indicators.....	Philosophical instruments.....	XXV	2
Steam fire engines.....	Steam and air engines.....	XXXI	
Steam gauges.....	Philosophical instruments.....	XXV	2
Steam generators.....	Steam and air engines.....	XXXI	
Steam governors.....	Steam and air engines.....	XXXI	

Invention.	Class.	Number.	Sec.
Steam heaters.....	Calorifics.....	IV	1
Steam heating tables.....	Calorifics.....	IV	3
Steam in furnaces, Use of.....	Calorifics.....	IV	1
Steam plows.....	Agriculture.....	I	1
Steam pumps.....	Steam and air engines.....	XXXI	
Steam reclaimers.....	Steam and air engines.....	XXXI	
Steam spading machines.....	Agriculture.....	I	1
Steam, Superheating.....	Steam and air engines.....	XXXI	
Steam traps.....	Steam and air engines.....	XXXI	
Steam valves.....	Steam and air engines.....	XXXI	
Steam whistles.....	Steam and air engines.....	XXXI	
Steam whistles, Casting.....	Metal working.....	XXII	1B
Stearine, Manufacture of.....	Chemical processes.....	VI	
Steel ingots, Casting.....	Metal working.....	XXII	1B
Steel-pen holders, Making.....	Metal working.....	XXII	3A
Steel pens, Making.....	Metal working.....	XXII	3A
Steels, Sharpening.....	Metal working.....	XXII	3B
Steering apparatus.....	Navigation.....	XXIII	
Stench-traps for sewers.....	Civil engineering.....	VII	1
Stencil cutting.....	Metal working.....	XXII	2A
Stencil plates.....	Fine arts.....	XI	1
Stereoscopes.....	Fine arts.....	XI	1
Stereotype plates, Composition for.....	Compositions.....	IX	
Stereotyping.....	Printing and stationery.....	XXVII	1
Stethometers.....	Philosophical instruments.....	XXV	2
Stethoscopes.....	Surgical apparatus.....	XXXIII	
Stilts.....	Sports, games, and toys.....	XXX	
Stirrups.....	Leather manufactures.....	XIX	3
Stirrups, Safety.....	Leather manufactures.....	XIX	3
Stitching horses.....	Leather manufactures.....	XIX	3
Stock-feeders.....	Agricultural products, (prep. of).....	II	2
Stocking and sock machines.....	Textile manufactures.....	XXXIV	4
Stockings.....	Wearing apparel.....	XXXV	1
Stockings, Heel and toe protectors for.....	Wearing apparel.....	XXXV	1
Stocks for refractory milch cows.....	Agricultural products, (prep. of).....	II	2
Stocks for shoeing animals.....	Agricultural products, (prep. of).....	II	2
Stocks, Neck.....	Wearing apparel.....	XXXV	1
Stocks, Vulcanized.....	Wearing apparel.....	XXXV	1
Stone, Artificial.....	Compositions.....	IX	
Stone breakers.....	Grinding mills.....	XIV	
Stone, cement, &c., Indurating.....	Chemical processes.....	VI	
Stone, Composition of porous.....	Compositions.....	IX	
Stone drills.....	Stone working.....	XXXII	
Stone-picking machines.....	Agriculture.....	I	1
Stone staves for millers.....	Stone working.....	XXXII	
Stoneware manufacture.....	Clay manufactures.....	VIII	
Stone-working machines.....	Stone working.....	XXXII	
Stools.....	Household furniture.....	XVI	1
Stools, Camp.....	Household furniture.....	XVI	1
Stools, Folding.....	Household furniture.....	XVI	1
Stools, Foot.....	Household furniture.....	XVI	1
Stools, Milking.....	Agricultural products, (prep. of).....	II	2
Stools, Piano.....	Household furniture.....	XVI	1
Stop motions for engines, Automatic.....	Steam and air engines.....	XXXI	
Stopping crevasses.....	Civil engineering.....	VII	1
Storm signals, Electrical.....	Philosophical instruments.....	XXV	3
Stove drums.....	Calorifics.....	IV	1
Stove lids, Casting.....	Metal working.....	XXII	1B
Stove pipes.....	Calorifics.....	IV	1
Stove-pipe thimbles.....	Calorifics.....	IV	1
Stove plates.....	Calorifics.....	IV	1
Stove polish, Composition for.....	Compositions.....	IX	
Stoves.....	Calorifics.....	IV	1
Stoves, (Designs).....	Fine arts.....	XI	2

Invention.	Class.	Number.	Sec.
Stoves, Base-burning.....	Calorifics	IV	1
Stoves, Camp.....	Calorifics	IV	3
Stoves, Coal.....	Calorifics	IV	1
Stoves, Coal-oil	Calorifics	IV	3
Stoves, Cooking.....	Calorifics	IV	3
Stoves, Foot.....	Calorifics	IV	1
Stoves, Gas	Calorifics	IV	3
Stoves, Gas-heating	Calorifics	IV	1
Stoves, Heating.....	Calorifics	IV	1
Stoves, Lamp	Calorifics	IV	3
Stoves, Soapstone	Calorifics	IV	1
Stoves, Wood	Calorifics	IV	1
Stove utensils	Calorifics	IV	3
Straightening metals.....	Metal working.....	XXII	1A
Straightening bars of metal.....	Metal working.....	XXII	2A
Straightening rails	Metal working.....	XXII	2A
Straightening wire	Metal working.....	XXII	2A
Strainers, Milk	Agricultural products, (prep. of)	II	2
Straw boards	Paper making	XXIV	
Straw carriers	Agricultural products, (prep. of)	II	1
Straw for paper, Treating.....	Paper making	XXIV	
Straw stackers.....	Agricultural products, (prep. of)	II	1
Street levelers	Civil engineering	VII	1
Street paving	Civil engineering	VII	1
Street railroads	Civil engineering	VII	1
Street-sprinkling carts	Hydraulics and pneumatics....	XVII	
Street sweepers	Civil engineering	VII	1
Street washers	Hydraulics and pneumatics....	XVII	
Stretchers	Carriages	V	
Stringed instruments	Fine arts.....	XI	1
Strings for musical instruments.....	Fine arts.....	XI	1
Studs, Shirt	Wearing apparel.....	XXXV	1
Stuffing boxes	Steam and air engines.....	XXXI	
Stuffing boxes for valve spindles	Steam and air engines.....	XXXI	
Stuffing collars.....	Leather manufactures	XIX	3
Stuffing for mattresses, &c.....	Household furniture.....	XVI	1
Stump extractors.....	Mechanical engineering.....	XX	
Stumps, Machines for cutting.....	Wood working.....	XXXVI	1
Submarine armor.....	Civil engineering	VII	1
Submarine beds, Apparatus for pro- filing	Philosophical instruments.....	XXV	2
Submarine cables, Laying.....	Civil engineering	VII	1
Submarine excavating	Civil engineering	VII	1
Submarine helmets	Civil engineering	VII	1
Submarine operators.....	Civil engineering	VII	1
Submarine vessels.....	Navigation.....	XXIII	
Sugar-cane mills.....	Grinding mills.....	XIV	
Sugar crushers	Household furniture.....	XVI	2
Sugar filters	Chemical processes	VI	
Sugar from grain, Obtaining	Chemical processes	VI	
Sugar kettles, Casting.....	Metal working.....	XXII	1B
Sugar mills.....	Grinding mills.....	XIV	
Sugar pans	Chemical processes	VI	
Sugar presses.....	Presses	XXVI	
Sugar processes and apparatus	Chemical processes	VI	
Sugar refining	Chemical processes	VI	
Sulkies	Carriages	V	
Sulky seats.....	Carriages	V	
Sulphuric acid, Recovering.....	Chemical processes	VI	
Sunshades, Pocket.....	Wearing apparel.....	XXXV	4
Supplying water to locomotive tenders by steam.....	Steam and air engines.....	XXXI	
Supporters, Abdominal	Surgical apparatus.....	XXXIII	
Supporters, Body	Surgical apparatus.....	XXXIII	
Supporters, Menstrual	Surgical apparatus.....	XXXIII	

Invention.	Class.	Number.	Sec.
Supporters, Obstetrical	Surgical apparatus	XXXIII	
Supporters, Pile	Surgical apparatus	XXXIII	
Supporters, Uterine	Surgical apparatus	XXXIII	
Supporters, Vaginal	Surgical apparatus	XXXIII	
Supporters, Window	Builders' hardware	III	
Supporting vessels	Navigation	XXIII	
Surcingles	Leather manufactures	XIX	3
Surge relievers	Navigation	XXIII	
Surveying instruments	Philosophical instruments	XXV	2
Suspenders	Wearing apparel	XXXV	1
Suspending ships' boats	Navigation	XXIII	
Swages, Dentists'	Surgical apparatus	XXXIII	
Swages for saw teeth	Metal working	XXII	2B
Swaging metals	Metal working	XXII	1A
Sword cutters	Harvesters	XV	
Sweet potato cultivators	Agriculture	I	1
Swimming, Teaching the art of	Sports, games, and toys	XXX	
Swings	Sports, games, and toys	XXX	
Switch boards	Philosophical instruments	XXV	3
Switches, Telegraph	Philosophical instruments	XXV	3
Swords	Metal working	XXII	2B
Sympiesometers	Philosophical instruments	XXV	2
Syringes, Catarrhal	Surgical apparatus	XXXIII	
Syringes, Elastic bulb	Surgical apparatus	XXXIII	
Syringes, Enema	Surgical apparatus	XXXIII	
Syringes, Eye	Surgical apparatus	XXXIII	
Syringes, Fire	Hydraulics and pneumatics	XVII	
Syringes, Garden	Hydraulics and pneumatics	XVII	
Syringes, Hemorrhoidal	Surgical apparatus	XXXIII	
Syringes, Penis	Surgical apparatus	XXXIII	
Syringes, Vaginal	Surgical apparatus	XXXIII	
T.			
Table covers	Household furniture	XVI	1
Table-leaf supports	Household furniture	XVI	1
Table leaves, Jointing	Wood working	XXXVI	1
Tables	Household furniture	XVI	1
Tables, Card	Household furniture	XVI	1
Tables, extension	Household furniture	XVI	1
Tables for molders	Metal working	XXII	1B
Tables, Ironing	Household furniture	XVI	1
Tables, Operating	Surgical apparatus	XXXIII	
Tables, Self-waiting	Household furniture	XVI	1
Tables, Ships' cabin	Navigation	XXIII	
Tablets, Composition for	Compositions	IX	
Tablets, Writing	Printing and stationery	XXVII	2
Tack extractors	Wood working	XXXVI	2
Tackle blocks, Casting	Metal working	XXII	1B
Tackle, Hoisting	Navigation	XXIII	
Tackle, Safety	Navigation	XXIII	
Tacks	Builders' hardware	III	
Tacks, Making	Metal working	XXII	3A
Tag holders	Printing and stationery	XXVII	2
Tags	Printing and stationery	XXVII	2
Tags, Machines for cutting shoe	Leather manufacture	XIX	2
Tail boards for wagons	Carriages	V	
Take-up motions for looms	Textile manufactures	XXXIV	3
Tallow, Rendering, bleaching, &c.	Chemical processes	VI	
Tanks for storage	Civil engineering	VII	1
Tanning	Chemical processes	VI	
Tanning, Material and processes	Chemical processes	VI	
Tape	Textile manufactures	XXXIV	3
Tape fuses	Fire-arms	XII	3
Tape primers	Fire-arms	XII	2

Invention.	Class.	Number.	Sec.
Tape trimming, Machines for making	Sewing machines	XXIX	
Tapeworm, Apparatus for removing	Surgical apparatus	XXXIII	
Tapping water pipes	Metal working	XXII	2A
Targets	Sports, games, and toys	XXX	
Tatting machines	Textile manufactures	XXXIV	4
Tea-kettles	Calorifics	IV	3
Tea-pots	Calorifics	IV	3
Tedders, Hay	Harvesters	XV	
Teeth, Artificial	Surgical apparatus	XXXIII	
Teeth, artificial, Composition for	Compositions	IX	
Teeth, Drills for	Surgical apparatus	XXXIII	
Teeth for mowing machines, Casting	Metal working	XXII	1B
Teeth, Mallets for filling	Surgical apparatus	XXXIII	
Teeth to plates, Attaching	Surgical apparatus	XXXIII	
Telegraphic codes	Philosophical instruments	XXV	3
Telegraphic signals	Philosophical instruments	XXV	3
Telegraph instruments	Philosophical instruments	XXV	3
Telegraphs, Acoustic	Philosophical instruments	XXV	1
Telegraphs, Electro-chemical	Philosophical instruments	XXV	3
Telegraphs, Electro-magnetic	Philosophical instruments	XXV	3
Telegraphs, Magneto-electric	Philosophical instruments	XXV	3
Telegraphs, Optical	Philosophical instruments	XXV	1
Telegraphs, Pneumatic	Philosophical instruments	XXV	1
Telegraphs, Printing	Philosophical instruments	XXV	3
Telephones	Philosophical instruments	XXV	3
Telescopes	Philosophical instruments	XXV	1
Telluriums	Philosophical instruments	XXV	1
Temperature alarms	Philosophical instruments	XXV	1
Tempering glass	Glass manufactures	XIII	
Tempering iron and steel	Metal working	XXII	2A
Temples	Textile manufactures	XXXIV	3
Tenaculums	Surgical apparatus	XXXIII	
Tenoning	Wood working	XXXVI	1
Testing floats for boilers	Steam and air engines	XXXI	
Tethers	Leather manufactures	XIX	3
Theatrical scenery	Fine arts	XI	1
Theodolites	Philosophical instruments	XXV	2
Therapeutic applications of heat, cold and air	Surgical apparatus	XXXIII	
Thermometers	Philosophical instruments	XXV	2
Thermostats	Philosophical instruments	XXV	2
Thills	Carriages	V	
Thill tugs	Carriages	V	
Thimble and thread cutter, Combined	Wearing apparel	XXXV	2
Thimble machines for vessels	Navigation	XXIII	
Thimbles	Wearing apparel	XXXV	2
Thimbles for sails	Navigation	XXIII	
Thread and needle boxes	Wearing apparel	XXXV	2
Thread cutters	Wearing apparel	XXXV	2
Thread, Envelopes for	Wearing apparel	XXXV	2
Threshing floors	Agricultural products, (prep. of)	II	1
Threshing machines	Agricultural products, (prep. of)	II	1
Throstles	Textile manufactures	XXXIV	2
Throwing horses, Apparatus for	Leather manufactures	XIX	3
Ticket boxes	Philosophical instruments	XXV	1
Ticket holders	Printing and stationery	XXVII	2
Tickets, Railroad, &c.	Printing and stationery	XXVII	2
Tide powers	Civil engineering	XX	
Tide wheels	Hydraulics and pneumatics	XVII	
Tightening standing rigging	Navigation	XXIII	
Tiles	Clay manufactures	VIII	
Tiles, Composition for fire	Compositions	IX	
Tiles, Drain	Clay manufactures	VIII	
Tiles, Floor	Clay manufactures	VIII	
Tiles, Garden	Clay manufactures	VIII	

Invention.	Class.	Number.	Sec.
Tiles, Roofing	Clay manufactures	VIII	
Tiling	Civil engineering	VII	2
Timber, Preservation of	Chemical processes	VI	
Time balls, Electrical	Philosophical instruments	XXV	3
Time reporters	Philosophical instruments	XXV	2
Time tables	Philosophical instruments	XXV	1
Timothy headers	Harvesters	XV	
Tin cans, Making	Metal working	XXII	2B
Tin foil, Making	Metal working	XXII	3A
Tin lined lead pipe	Metal working	XXII	3A
Tips, Shoe	Leather manufactures	XIX	2
Tires, Bending	Metal working	XXII	2A
Tires for locomotives, Making	Metal working	XXII	3A
Tires, Making	Metal working	XXII	3A
Tires, Securing	Carriages	V	
Tires, Tightening	Carriages	V	
Tires, Upsetting	Metal working	XXII	2A
Toasters	Calorifics	IV	3
Tobacco cartridges	Sports, games, and toys	XXX	
Tobacco curing	Agricultural products, (prep. of)	II	2
Tobacco cutting	Sports, games, and toys	XXX	
Tobacco, Flavoring	Compositions	IX	
Tobacco granulating machines	Sports, games, and toys	XXX	
Tobacco hooks	Sports, games, and toys	XXX	
Tobacco paper	Paper making	XXIV	
Tobacco pipes	Sports, games, and toys	XXX	
Tobacco pipe-stems	Sports, games, and toys	XXX	
Tobacco pouches	Sports, games, and toys	XXX	
Tobacco presses	Presses	XXVI	
Tobacco stoppers	Sports, games, and toys	XXX	
Tombstones	Fine arts	XI	1
Tompions	Fire-arms	XII	2
Tongs, Oyster	Sports, games, and toys	XXX	
Tongues, Wagon	Carriages	V	
Tonsils, Instruments for operating on	Surgical apparatus	XXXIII	
Tool handles	Wood working	XXXVI	2
Tool-holders	Wood working	XXXVI	2
Tool-holders for lathes and planers	Metal working	XXII	2A
Tool-holders, Grinding	Metal working	XXII	2A
Tool-rests for lathes	Metal working	XXII	2A
Tool-rests in wood-working machines	Wood working	XXXVI	1
Tools, Attaching handles to	Wood working	XXXVI	2
Tools, Blacksmiths'	Metal working	XXII	2A
Tools, Cabinet-makers'	Wood working	XXXVI	2
Tools, Carpenters'	Wood working	XXXVI	2
Tools, Coopers'	Wood working	XXXVI	2
Tools for forming necks of bottles	Glass manufactures	XIII	
Tools, Forgers'	Metal working	XXII	2A
Tools for glass manufacture	Glass manufacture	XIII	
Tools for lathes and planers	Metal working	XXII	2A
Tools for molding clay	Clay manufactures	VIII	
Tools, Joiners'	Wood working	XXXVI	2
Tools, Machinists'	Metal working	XXII	2A
Tools, Making edge	Metal working	XXII	3A
Tools, Shipwrights'	Wood working	XXXVI	2
Tool stocks	Wood working	XXXVI	2
Tools, Wheelwrights'	Wood working	XXXVI	2
Tooth picks	Wearing apparel	XXXV	2
Tooth-powder	Compositions	IX	
Tops, Carriage	Carriages	V	
Tops, Removable carriage	Carriages	V	
Tops, Spinning	Sports, games, and toys	XXX	
Torpedoes	Fire-arms	XII	3
Torpedoes for oil wells	Fire-arms	XII	3
Torpedoes, Submarine	Fire-arms	XII	3

Invention.	Class.	Number.	Sec.
Tourniquets	Surgical apparatus	XXXIII	
Tow lines and hooks	Navigation	XXIII	
Toy blocks	Sports, games, and toys	XXX	
Toys	Sports, games, and toys	XXX	
Toys, Composition for	Compositions	IX	
Trace couplings	Leather manufactures	XIX	3
Traces	Carriages	V	
Traces, Safety attachment of	Carriages	V	
Track clearers	Railroads and railroad cars	XXVIII	2
Track clearers	Harvesters	XV	
Tracking vessels	Navigation	XXIII	
Traction engines	Mechanical engineering	XX	
Traction wheels	Mechanical engineering	XX	
Trade marks	Fine arts	XI	2
Trammels	Philosophical instruments	XXV	1
Transfer, Methods of	Fine arts	XI	1
Transit instruments	Philosophical instruments	XXV	2
Transplanting machines	Agriculture	I	2
Transplanting tools	Agriculture	I	2
Traps, Animal	Household furniture	XVI	3
Traps, Bird	Sports, games, and toys	XXX	
Traps, Fish	Sports, games, and toys	XXX	
Traps, Fly	Household furniture	XVI	3
Traps for sewers and gutters	Civil engineering	VII	1
Traps, Insect	Household furniture	XVI	3
Traps, Plumbers' stench	Hydraulics and pneumatics	XVII	
Traps, Rat	Household furniture	XVI	3
Traps, Safety coal	Civil engineering	VII	1
Traps, Steam	Steam and air engines	XXXI	
Traps, Water	Hydraulics and pneumatics	XVII	
Travelers for masts and booms	Navigation	XXIII	
Traverses of guns	Fire-arms	XII	1
Trays, Food and fruit	Household furniture	XVI	3
Treadle machines	Mechanical engineering	XX	
Treadles	Mechanical engineering	XX	
Tree dwarfers	Agriculture	I	2
Tree protectors	Agriculture	I	2
Tree training	Agriculture	I	2
Trellises	Agriculture	I	2
Trellises, Grape	Agriculture	I	2
Trellises, Hop	Agriculture	I	2
Trenches	Civil engineering	VII	1
Trephines	Surgical apparatus	XXXIII	
Trimming for garments	Wearing apparel	XXXV	1
Trimming vessels	Navigation	XXIII	
Tripods, Surveyors'	Philosophical instruments	XXV	2
Trowels, Making	Metal working	XXII	3A
Trumpets	Fine arts	XI	1
Trunk handles	Leather manufactures	XIX	4
Trunk labels	Printing and stationery	XXVII	2
Trunk-lid protectors	Leather manufactures	XIX	4
Trunk locks	Builders' hardware	III	
Trunk rollers	Builders' hardware	III	
Trunks	Leather manufacture	XIX	4
Trunk stays	Leather manufacture	XIX	4
Trusses	Surgical apparatus	XXXIII	
Trusses for roofs and bridges	Civil engineering	VII	1
Trusses for vessels	Navigation	XXIII	
Tube couplings	Hydraulics and pneumatics	XVII	
Tube filters	Hydraulics and pneumatics	XVII	
Tubes, Coiling	Metal working	XXII	2A
Tubes, Cutting	Metal working	XXII	2A
Tubes, Drawing	Metal working	XXII	2A
Tubes, Expanding	Metal working	XXII	2A

Invention.	Class.	Number.	Sec.
Tubes for wells	Hydraulics and pneumatics....	XVII	
Tube sheets	Steam and air engines.....	XXXI	
Tube sheets, Bending	Metal working	XXII	2A
Tube sheets, Cutting.....	Metal working	XXII	2A
Tube sheets for boilers, Making	Metal working	XXII	2A
Tubes, Making	Metal working	XXII	2A
Tubes, Rolling.....	Metal working	XXII	2A
Tubing, Coating.....	Chemical processes	VI	
Tubing, Composition for elastic and other	Compositions.....	IX	
Tubing, Lining.....	Chemical processes	VI	
Tubular bridges	Civil engineering	VII	1
Tubular glass	Glass manufactures	XIII	
Tuning instruments	Fine arts	XI	1
Tunneling	Civil engineering.....	VII	1
Tunneling machines	Civil engineering	VII	1
Tunnels	Civil engineering	VII	1
Tunnels, Metallic	Civil engineering	VII	1
Tunnels, Submarine	Civil engineering	VII	1
Turbines	Hydraulics and pneumatics....	XVII	
Turbines, Hanging.....	Hydraulics and pneumatics....	XVII	
Turf cutters	Agriculture	I	1
Turf-cutting machines.....	Agriculture	I	1
Turning metals	Metal working	XXII	1A
Turning crank pins	Metal working	XXII	2A
Turning crank shafts.....	Metal working	XXII	2A
Turning irregular forms.....	Wood working	XXXVI	1
Turning lathes.....	Metal working	XXII	2A
Turning shell and shot	Metal working	XXII	2A
Turning stone	Stone working	XXXII	
Turning, Tools for	Metal working	XXII	2A
Turning wood	Wood working	XXXVI	1
Turnip toppers and pullers.....	Agriculture	I	2
Turpentine, Extracting.....	Chemical processes	VI	
Tuyeres.....	Metal working	XXII	2A
Tuyeres, Casting	Metal working	XXII	1B
Twine holders	Household furniture.....	XVI	3
Twine machines	Textile manufactures	XXXIV	2
Twine, Paper.....	Textile manufactures	XXXIV	2
Twist drills.....	Metal working	XXII	2
Twisting wire, Machines for	Metal working	XXII	2B
Tying yarn	Textile manufactures.....	XXXIV	2
Type, Casting	Printing and stationery.....	XXVII	1
Type-cutting machines	Metal working.....	XXII	2A
Type, Distributing.....	Printing and stationery.....	XXVII	1
Type, Flexible.....	Printing and stationery.....	XXVII	1
Type, Founding.....	Printing and stationery.....	XXVII	1
Type, Scouring.....	Printing and stationery.....	XXVII	1
Type, Setting	Printing and stationery.....	XXVII	1
Typhography.....	Printing and stationery.....	XXVII	1
U.			
Umbrella cases	Wearing apparel.....	XXXV	4
Umbrella covers	Wearing apparel.....	XXXV	4
Umbrella fasteners	Wearing apparel.....	XXXV	4
Umbrella frames	Wearing apparel.....	XXXV	4
Umbrella or tent frames	Wearing apparel.....	XXXV	4
Umbrella ribs and spokes, Making.....	Metal working	XXII	3A
Umbrella ribs or stretchers.....	Wearing apparel.....	XXXV	4
Umbrella runners	Wearing apparel.....	XXXV	4
Umbrellas.....	Wearing apparel.....	XXXV	4
Umbrellas, Folding	Wearing apparel.....	XXXV	4
Umbrella supporters	Wearing apparel	XXXV	4
Under-garments.....	Wearing apparel.....	XXXV	1

Invention.	Class.	Number.	Sec.
Undersleeves	Wearing apparel.....	XXXV	1
Universal joints.....	Mechanical engineering.....	XX	
Uppers, Machines for cutting.....	Leather manufactures.....	XIX	2
Upsetting machines	Metal working	XXII	2A
Urinals, Fixed.....	Hydraulics and pneumatics	XVII	
Urinals, Portable.....	Household furniture.....	XVI	1
Urinometers	Philosophical instruments.....	XXV	2
Urns for coffee, &c.....	Calorifics	IV	3
Uterine suppositories	Surgical apparatus	XXXIII	
V.			
Vaccination, Instruments for	Surgical apparatus	XXXIII	
Vacuum pans.....	Chemical processes.....	VI	
Valise locks	Builders' hardware	III	
Valises	Leather manufactures	XIX	4
Valve gear	Steam and air engines	XXXI	
Valve gears, Variable	Steam and air engines	XXXI	
Valve regulators	Hydraulics and pneumatics	XVII	
Valves, Arrangement of.....	Steam and air engines.....	XXXI	
Valves, Automatic	Steam and air engines.....	XXXI	
Valves, Back pressure	Steam and air engines.....	XXXI	
Valves, Balance.....	Steam and air engines.....	XXXI	
Valves, Butterfly.....	Steam and air engines.....	XXXI	
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Valve seats, Placing.....	Hydraulics and pneumatics	XVII	
Valves, Escape	Steam and air engines.....	XXXI	
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Valves for submarine ordnance	Fire-arms	XII	1
Valves for draining lands, Tidal	Civil engineering	VII	1
Valves for syringes.....	Hydraulics and pneumatics	XVII	
Valves, Globe	Steam and air engines.....	XXXI	
Valves, Governor	Steam and air engines.....	XXXI	
Valves, Oscillating	Steam and air engines.....	XXXI	
Valves, Pump	Hydraulics and pneumatics	XVII	
Valves, Puppet	Steam and air engines.....	XXXI	
Valves, Rotary	Steam and air engines.....	XXXI	
Valves, Safety.....	Steam and air engines.....	XXXI	
Valves, Slide	Steam and air engines.....	XXXI	
Valves, Spring balance.....	Steam and air engines.....	XXXI	
Valve stem arrangements	Hydraulics and pneumatics	XVII	
Valves, Stop.....	Steam and air engines.....	XXXI	
Valves, Throttle.....	Steam and air engines.....	XXXI	
Valves, Trimmer.....	Steam and air engines.....	XXXI	
Valves, Water closet	Hydraulics and pneumatics	XVII	
Valve tubes	Hydraulics and pneumatics	XVII	
Vanes	Philosophical instruments.....	XXV	1
Vapor inhalers	Surgical apparatus	XXXIII	
Varnishes	Compositions.....	IX	
Vases and fountains	Hydraulics and pneumatics	XVII	
Vault covers.....	Civil engineering	VII	1
Vault glasses	Glass manufactures	XIII	
Vault lights	Civil engineering	VII	1
Vegetable boilers.....	Calorifics	IV	3
Vegetable parchment	Paper making	XXIV	
Vegetable slicers	Agricultural products, (prep. of)	II	2
Vegetable washers, Domestic	Household furniture.....	XVI	2
Vegetable washers, Farm yard	Agricultural products, (prep. of)	II	2
Vehicles	Carrriages	V	
Veils, Ladies'.....	Wearing apparel.....	XXXV	1
Velinches.....	Hydraulics and pneumatics	XVII	

Invention.	Class.	Number.	Sec.
Velocimeters	Philosophical instruments.....	XXV	2
Velocipedes	Carriages	V	
Veneering	Wood working	XXXVI	1
Veneering, Ornamental	Fine arts.....	XI	1
Veneers, Machines for cutting	Wood working	XXXVI	1
Veneers, Machines for planing	Wood working	XXXVI	1
Veneers, Machines for polishing	Wood working	XXXVI	1
Veneers, Machines for pressing	Wood working	XXXVI	1
Veneers, Machines for sawing	Wood working	XXXVI	1
Veneers, Machines for straightening	Wood working	XXXVI	1
Ventilating cores.....	Metal working.....	XXII	1B
Ventilating hay and grain.....	Agricultural products, (prep. of)	II	2
Ventilating millstones	Grinding mills.....	XIV	
Ventilation by heated air	Calorifics	IV	2
Ventilation by hot water	Calorifics	IV	2
Ventilation by steam	Calorifics	IV	2
Ventilation of halls and churches	Calorifics	IV	2
Ventilation of houses.....	Calorifics	IV	2
Ventilation of railroad cars.....	Calorifics	IV	3
Ventilation of ships, &c	Calorifics	IV	3
Ventilators	Calorifics	IV	3
Ventilators for boots	Leather manufactures	XIX	2
Ventilators for mines, &c	Calorifics	IV	3
Vents of ordnance	Fire-arms	XII	1
Vermin-destroying compounds	Compositions	IX	
Verniers	Philosophical instruments.....	XXV	2
Vests	Wearing apparel.....	XXXV	1
Vests, Life-preserving	Wearing apparel.....	XXXV	1
Viaducts	Civil engineering	VII	1
Vinegar, Manufacture of	Chemical processes.....	VI	
Vine supports	Agriculture	I	2
Violin bows	Fine arts	XI	1
Violins	Fine arts	XI	1
Violin screws	Fine arts	XI	1
Violin sound-boards	Fine arts	XI	1
Violoncellos	Fine arts	XI	1
Vises.....	Metal working	XXII	2A
Vises, Carpenters'	Wood working	XXXVI	2
Vises, making	Metal working.....	XXII	2A
Visiting cards	Printing and stationery.....	XXVII	2
Vitreography	Fine arts.....	XI	1
Voltameters	Philosophical instruments.....	XXV	3
Vulcanite and its combinations	Compositions.....	IX	
Vulcanized neck-ties and stocks	Wearing apparel	XXXV	1
Vulcanizing	Chemical processes.....	VI	
Vulcanizing apparatus and processes	Chemical processes.....	VI	
W.			
Wad punches	Metal working.....	XXII	3B
Wagon bands, Making	Metal working.....	XXII	3A
Wagon bolsters	Carriages	V	
Wagons.....	Carriages	V	
Wagons, Dumping	Carriages	V	
Wagons, Unloading attachment for	Carriages	V	
Wagon-tongue supporters.....	Carriages	V	
Wall paper	Fine arts.....	XI	2
Wall paper	Paper making	XXIV	
Walls.....	Civil engineering	VII	2
Walls, Securing.....	Civil engineering	VII	2
Wardrobes	Household furniture.....	XVI	1
Warp beams	Textile manufactures	XXXIV	3
Warp-dressing machines	Textile manufactures	XXXIV	2
Wash basins	Household furniture.....	XVI	1
Wash benches	Household furniture.....	XVI	3

Invention.	Class.	Number.	Sec.
Washboards, Machines for making.....	Wood working	XXXVI	1
Washers	Metal working.....	XXII	3B
Washers, Making	Metal working.....	XXII	3A
Washing compounds	Compositions	IX	
Washing machines	Household furniture.....	XVI	3
Wash stands	Household furniture.....	XVI	3
Watch backs and rims, Making	Metal working.....	XXII	3A
Watch chains, Making	Metal working.....	XXII	3A
Watch clocks.....	Philosophical instruments.....	XXV	2
Watch clock, Electrical.....	Philosophical instruments.....	XXV	3
Watch crystals	Glass manufactures	XIII	
Watches	Philosophical instruments.....	XXV	2
Watches, Instruments for jewelry.....	Philosophical instruments.....	XXV	2
Watches, Winding and and setting.....	Philosophical instruments.....	XXV	2
Watch hands and keys, Making.....	Metal working	XXII	3A
Watch keys	Philosophical instruments.....	XXV	2
Watch springs.....	Philosophical instruments.....	XXV	2
Water backs in stoves and ranges.....	Calorifics	IV	3
Water closets	Hydraulics and pneumatics	XVII	
Water coolers.....	Household furniture.....	XVI	2
Water elevators	Hydraulics and pneumatics	XVII	
Waterfall head-dresses.....	Wearing apparel.....	XXXV	2
Water gauges	Steam and air engines.....	XXXI	
Water heaters	Steam and air engines.....	XXXI	
Water indicators	Steam and air engines.....	XXXI	
Water-proofing compounds.....	Compositions	IX	
Water-proofing processes	Chemical processes.....	VI	
Water pumps, Feed	Steam and air engines.....	XXXI	
Water purifiers for boilers	Steam and air engines.....	XXXI	
Water-traps, Molding.....	Metal working.....	XXII	1B
Water wheels	Hydraulics and pneumatics.....	XVII	
Waxed ends, Machines for twisting	Leather manufactures	XIX	2
Waxing thread, Machines for.....	Leather manufactures	XIX	2
Weather-boarding	Civil engineering	VII	2
Weather guides	Philosophical instruments.....	XXV	1
Weather strips	Civil engineering	VII	2
Wedges, Machines for making wooden.....	Wood working	XXXVI	1
Weeding implements	Agriculture	I	2
Weft forks.....	Textile manufactures.....	XXXIV	3
Weighing apparatus.....	Philosophical instruments.....	XXV	2
Weighing apparatus, Electrical.....	Philosophical instruments.....	XXV	3
Weighing-buckets	Philosophical instruments.....	XXV	2
Weights, Casting	Metal working.....	XXII	1B
Weights, Sash	Builders' hardware.....	III	
Weirs	Civil engineering	VII	2
Welding metals.....	Metal working.....	XXII	1A
Welding compounds.....	Compositions	IX	
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Well tubes	Hydraulics and pneumatics	XVII	
Well tubes, Filters for	Hydraulics and pneumatics	XVII	
Well tubes, Packing for	Hydraulics and pneumatics	XVII	
Well tubes, Strainers for.....	Hydraulics and pneumatics	XVII	
Welts	Leather manufactures	XIX	2
Welts, Machines for forming	Leather manufactures.....	XIX	2
Welts, Machines for trimming	Leather manufactures	XIX	2
Whalebone, Machines for dressing	Wood working	XXXVI	1
Whalebone, Machines for splitting.....	Wood working	XXXVI	1
Whaling apparatus, Electrical	Philosophical instruments.....	XXV	3
Wharves	Civil engineering.....	VII	1
Wharves, Floating.....	Civil engineering	VII	1
Wheelbarrows	Carriges	V	
Wheel heads.....	Textile manufactures.....	XXXIV	2
Wheels, Carriago.....	Carriges	V	
Wheels, Fly.....	Mechanical engineering	XX	
Wheels, Making wrought	Metal working.....	XXII	3A

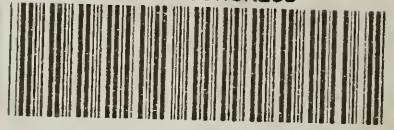
Invention.	Class.	Number.	Sec.
Wheel tires for locomotives, Making...	Metal working.....	XXII	3A
Wheel tires, Making.....	Metal working.....	XXII	3A
Wheelwrights' machines.....	Wood working.....	XXXVI	1
Wheelwrights' tools.....	Wood working.....	XXXVI	2
Whetstones.....	Metal working.....	XXII	2B
Whetting-plane bits.....	Metal working.....	XXII	2B
Whiffletrees.....	Carriages.....	V	
Whip handles, Machines for covering..	Leather manufactures.....	XIX	3
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Whips.....	Leather manufactures.....	XIX	3
Whip sockets.....	Carriages.....	V	
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Whistles, Electrical.....	Philosophical instruments.....	XXV	3
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Wigs.....	Wearing apparel.....	XXXV	2
Willow-peeling.....	Wood working.....	XXXVI	1
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Winding bobbins.....	Textile manufactures.....	XXXIV	2
Winding skeins, fish and other lines...	Textile manufactures.....	XXXIV	2
Winding spools of thread.....	Textile manufactures.....	XXXIV	2
Winding warps.....	Textile manufactures.....	XXXIV	2
Wind instruments.....	Fine arts.....	XI	1
Windlasses.....	Mechanical engineering.....	XX	
Windlasses for oyster dredges.....	Mechanical engineering.....	XX	
Window blinds.....	Civil engineering.....	VII	2
Window blinds, Movable.....	Household furniture.....	XVI	1
Window glass.....	Glass manufactures.....	XIII	
Windows.....	Civil engineering.....	VII	2
Window sash, Casting.....	Metal working.....	XXII	1B
Window sash, Making wrought.....	Metal working.....	XXII	3A
Windows, Double.....	Civil engineering.....	VII	2
Window shades.....	Household furniture.....	XVI	1
Window shutters.....	Civil engineering.....	VII	2
Window washers.....	Household furniture.....	XVI	3
Windsails.....	Navigation.....	XXIII	
Wind wheels.....	Hydraulics and pneumatics.....	XVII	
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Wines, Making.....	Chemical processes.....	VI	
Winnowers.....	Agricultural products, (prep. of)	II	1
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Wire-cloth crimping, Machines for....	Metal working.....	XXII	2B
Wire dish covers, Making.....	Metal working.....	XXII	2B
Wire dish stands, Making.....	Metal working.....	XXII	2B
Wire drawing.....	Metal working.....	XXII	2A
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Wire heddles for weavers' harness, Ma- chines for making.....	Metal working.....	XXII	2B
Wire rolling.....	Metal working.....	XXII	2A
Wire straightening.....	Metal working.....	XXII	2A
Wire twisting, Machines for.....	Metal working.....	XXII	2B
Wire works for ornamental fences.....	Metal working.....	XXII	3B
Wiring sheet-metal ware.....	Metal working.....	XXII	2B
Withes, Machines for twisting.....	Wood working.....	XXXVI	1
Wood-bending machines.....	Wood working.....	XXXVI	1
Wood-bundling machines.....	Wood working.....	XXXVI	1
Wood, Composition for coating.....	Compositions.....	IX	
Wood, Composition for preserving.....	Compositions.....	IX	
Wood, Composition for staining.....	Compositions.....	IX	
Wooden screws.....	Wood working.....	XXXVI	1
Wooden screws, Machines for making..	Wood working.....	XXXVI	1
Woodenware, Machines for making....	Wood working.....	XXXVI	1
Wood for paper, Treating.....	Paper making.....	XXIV	
Wood gear, Cutting.....	Wood working.....	XXXVI	1
Wood-splitting machines.....	Wood working.....	XXXVI	1

Invention.	Class.	Number.	Sec.
Wool burring.....	Textile manufactures.....	XXXIV	1
Wool cleaning.....	Textile manufactures.....	XXXIV	1
Wool, Composition for treating.....	Compositions.....	IX	
Wool drying.....	Calorifics.....	IV	1
Wool oiling.....	Textile manufactures.....	XXXIV	1
Wood-polishing machines.....	Wood working.....	XXXVI	1
Wool presses.....	Presses.....	XXVI	
Wool washing.....	Textile manufactures.....	XXXIV	1
Work baskets.....	Household furniture.....	XVI	1
Work boxes.....	Wearing apparel.....	XXXV	2
Work holders.....	Wearing apparel.....	XXXV	2
Wrappers.....	Wearing apparel.....	XXXV	1
Wrenches.....	Metal working.....	XXII	3B
Wrenches, Bed.....	Metal working.....	XXII	3B
Wrenches, Making.....	Metal working.....	XXII	3A
Wrenches, Monkey.....	Metal working.....	XXII	3B
Wrenches, Pipe.....	Metal working.....	XXII	3B
Wrenches, Ratchet.....	Metal working.....	XXII	3B
Wringers.....	Household furniture.....	XVI	3
Writing cases.....	Printing and stationery.....	XXVII	2
Y.			
Yeast.....	Chemical processes.....	VI	
Yeast powders.....	Compositions.....	IX	
Yokes for breachy animals.....	Agricultural products, (prep. of)	II	2
Yokes, Neck.....	Carriages.....	V	
Z.			
Zinc roofing.....	Civil engineering.....	VII	2
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